

ARCHITECTURAL WORKING DRAWINGS

OF

PROPOSED FORENSIC LABORATORY
AND
ADMINISTRATIVE OFFICES

FOR

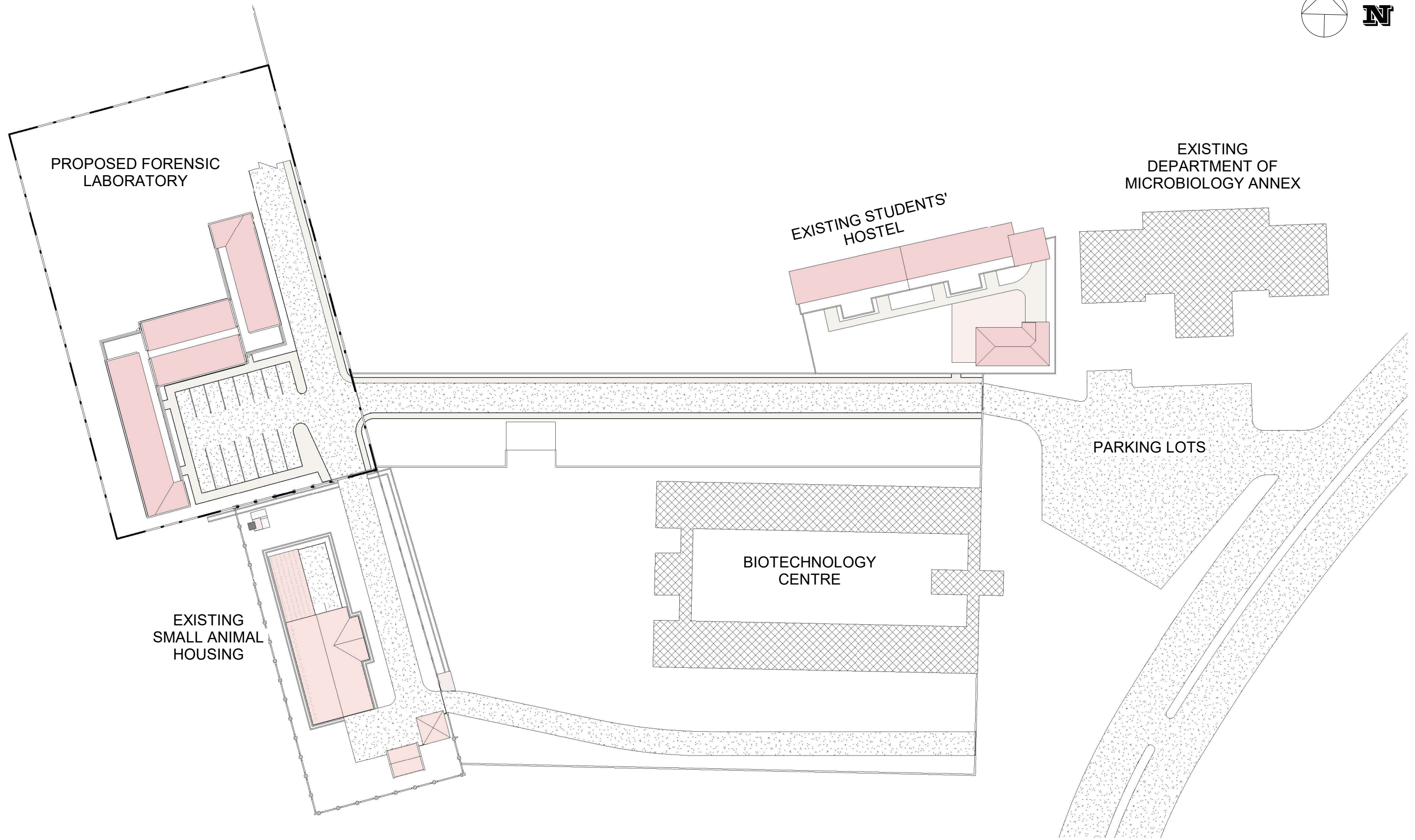
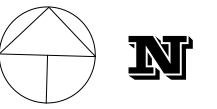
AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES
AND FORENSIC BIOTECHNOLOGY (ACEFNTDFB)

LOCATED AT

MAIN CAMPUS, AHMADU BELLO UNIVERSITY
SAMARU, ZARIA.

 **DUO ASSOCIATES**
(ARCHITECTS)

NO. 2 CHURCHILL AVENUE,
G.R.A. ZARIA, KADUNA STATE.
TEL. 0809 638 9632; 0803 452 9236



DUO ASSOCIATES
(ARCHITECTS)

NO. 5 TURAKI STREET,
JAMA'A, ZARIA, KADUNA STATE.
TEL. 0818 970 1236; 0803 452 9236

No.	Description	Date

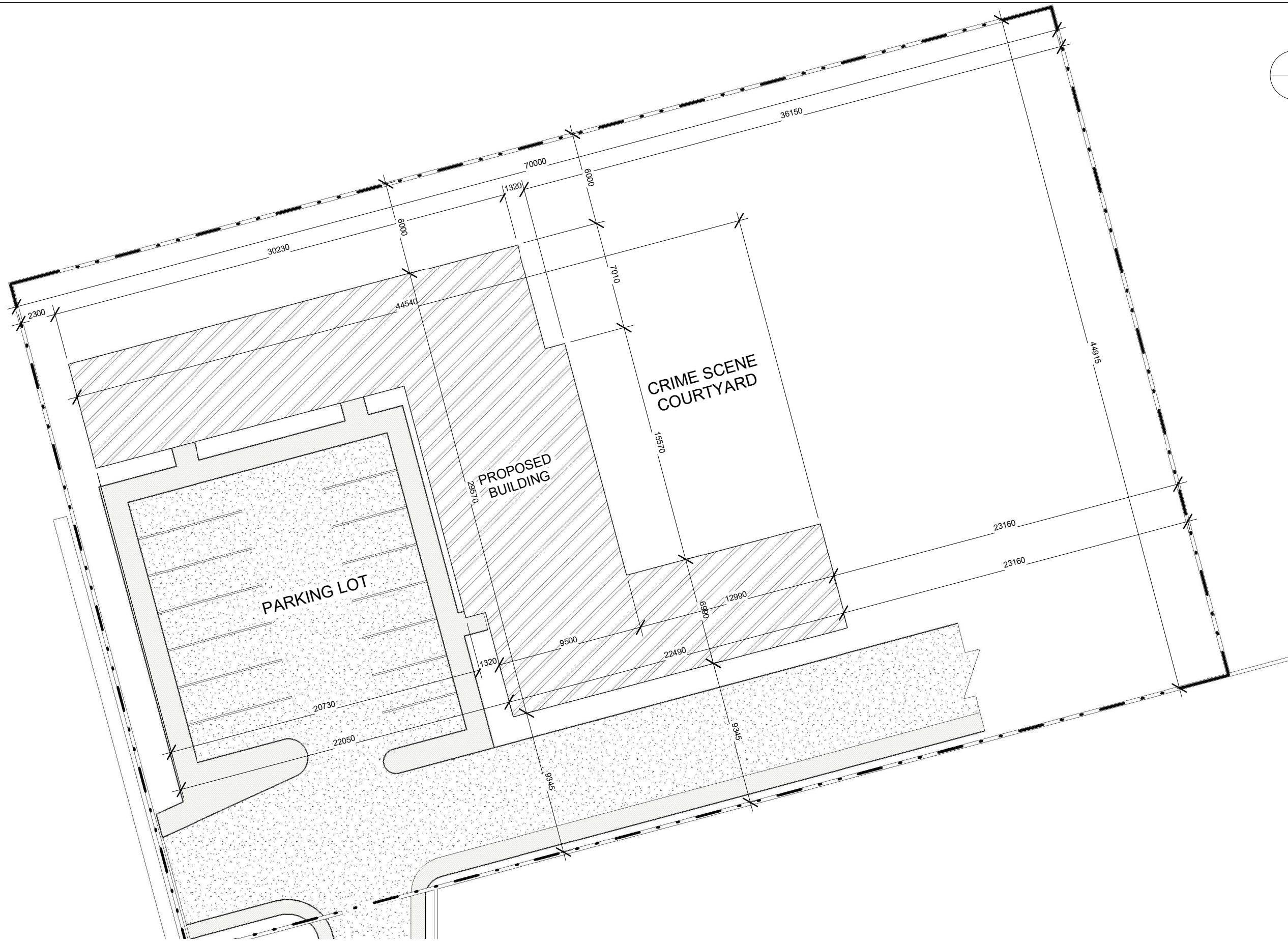
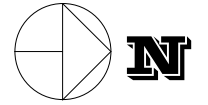
PROPOSED FORENSIC LABORATORIES AND
ADMINISTRATIVE OFFICES
FOR
ACEFNTDFB
LOCATED AT MAIN CAMPUS,
AHMADU BELLO UNIVERSITY SAMARU,
ZARIA.

SITE LOCATION

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C101

Scale 1 : 600



DUO ASSOCIATES
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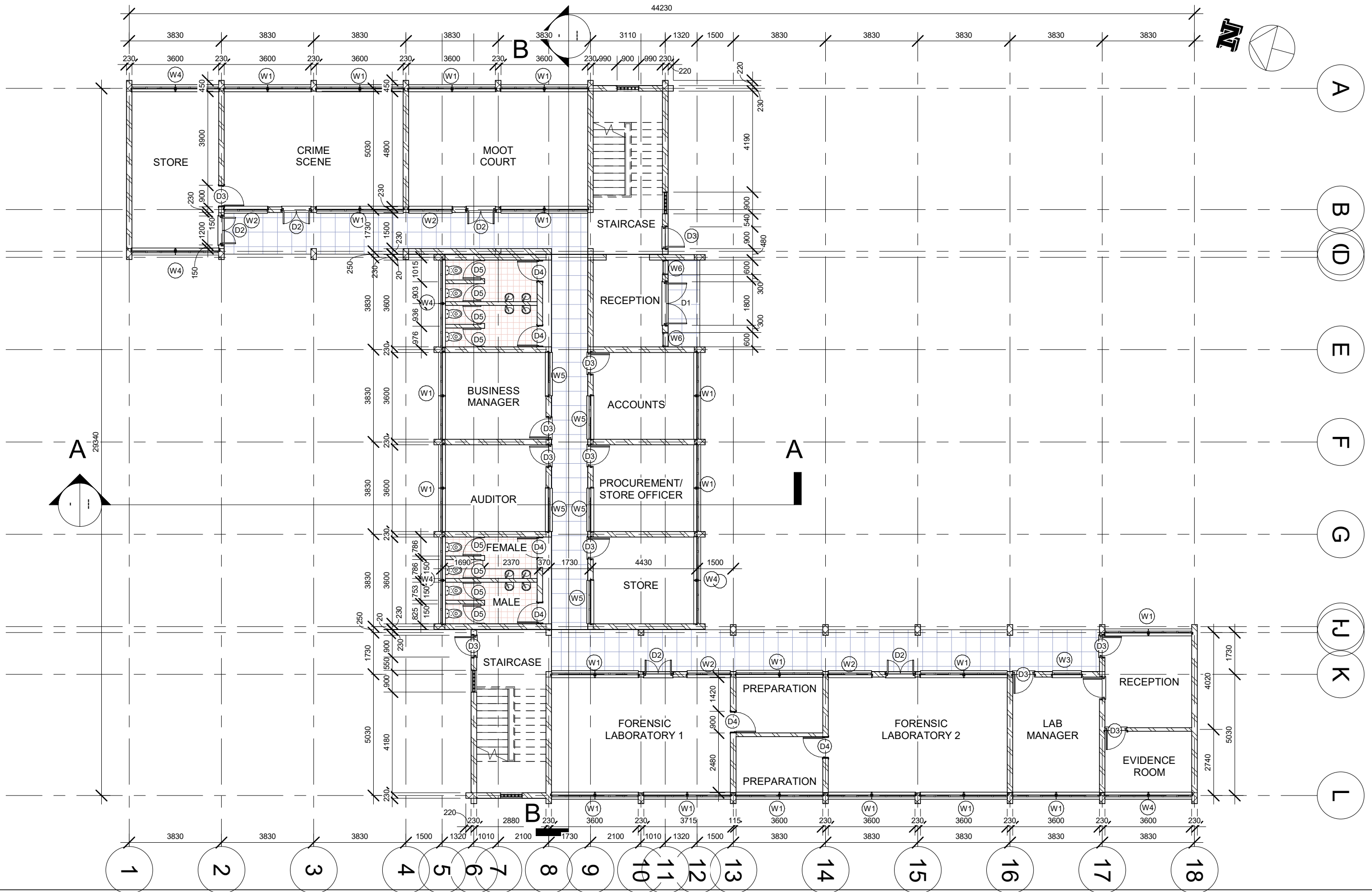
PROPOSED FORENSIC LABORATORIES AND
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FOR
ACEFNTDFB
LOCATED AT MAIN CAMPUS,
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ZARIA.

SITE PLAN

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C102

Scale 1 : 250

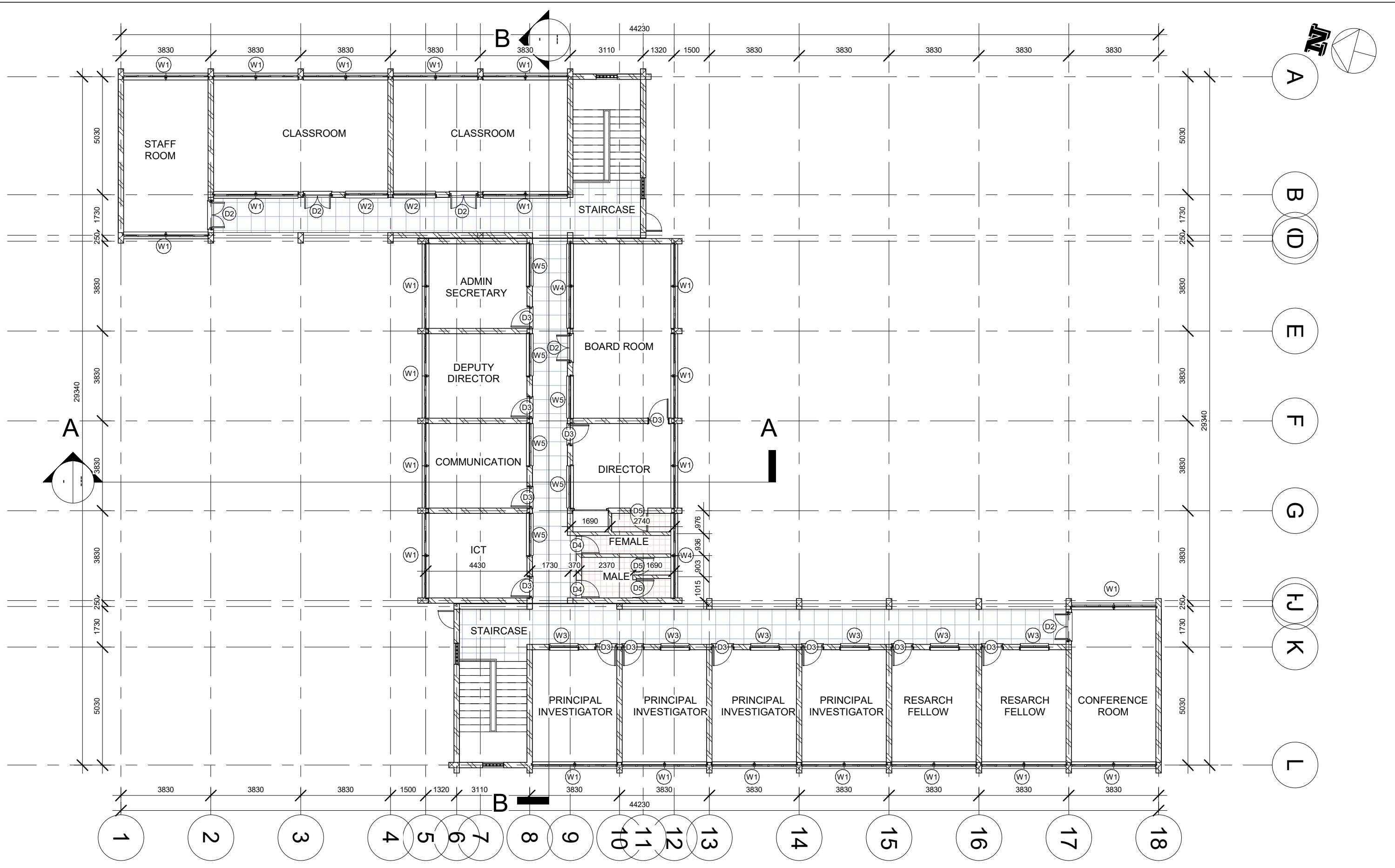


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TEL. 0818 970 1236; 0803 452 9236

No.	Description	Date

PROPOSED FORENSIC LABORATORIES AND ADMINISTRATIVE OFFICES FOR ACEFNTDFB
LOCATED AT MAIN CAMPUS,
AHMADU BELLO UNIVERSITY SAMARU,
ZARIA.

GROUND FLOOR REVISED		C103
Project number	COP/INS/21/03	
Date	SEPTEMBER, 2022	
Drawn by	GMB	
Checked by	MHMr	Scale
		1 : 150



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No.	Description	Date

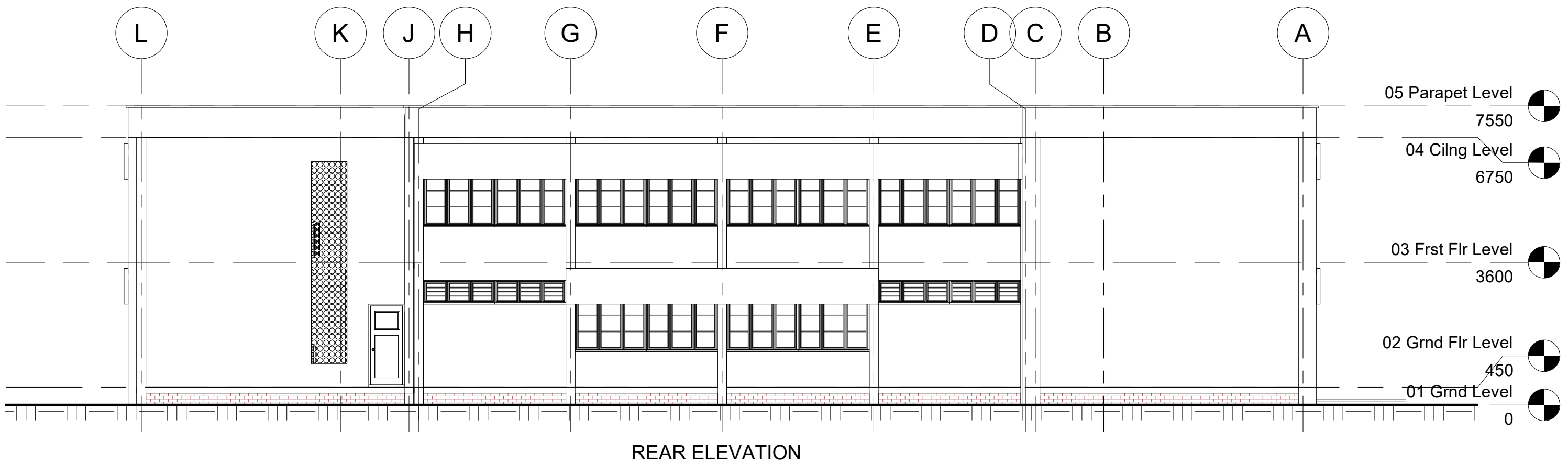
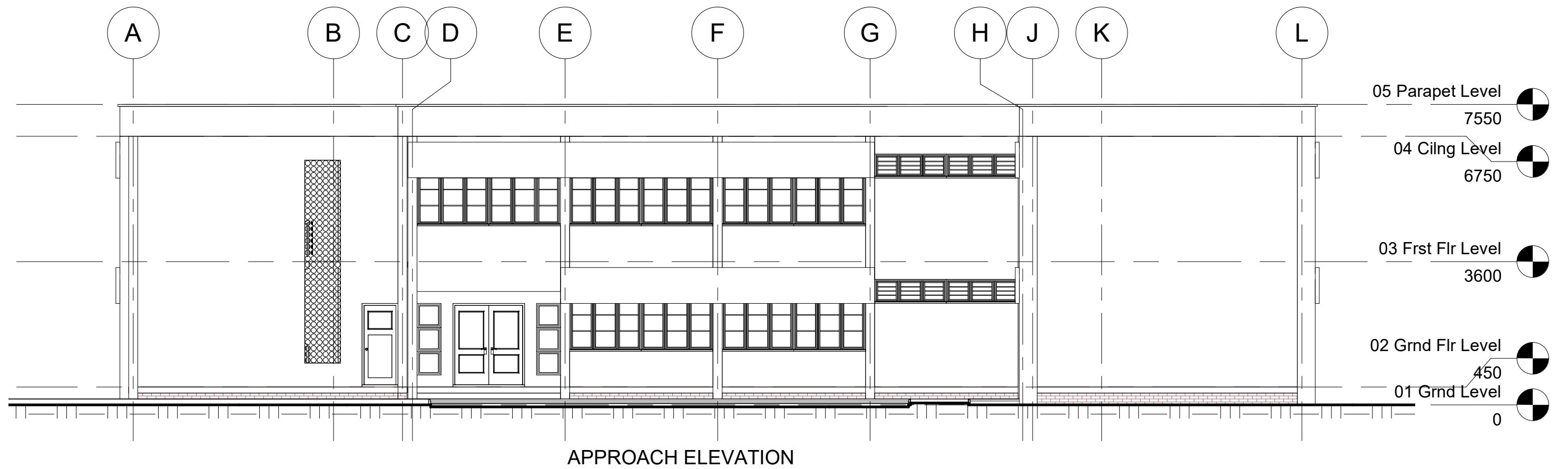
PROPOSED FORENSIC LABORATORIES AND
ADMINISTRATIVE OFFICES
FOR
ACEFNTDFB
LOCATED AT MAIN CAMPUS,
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ZARIA.

FIRST FLOOR PLAN - REVISED

Project number COP/INS/21/03
Date SEPTEMBER, 2022
Drawn by GMB
Checked by MHM

C104

Scale 1 : 150



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No.	Description	Date

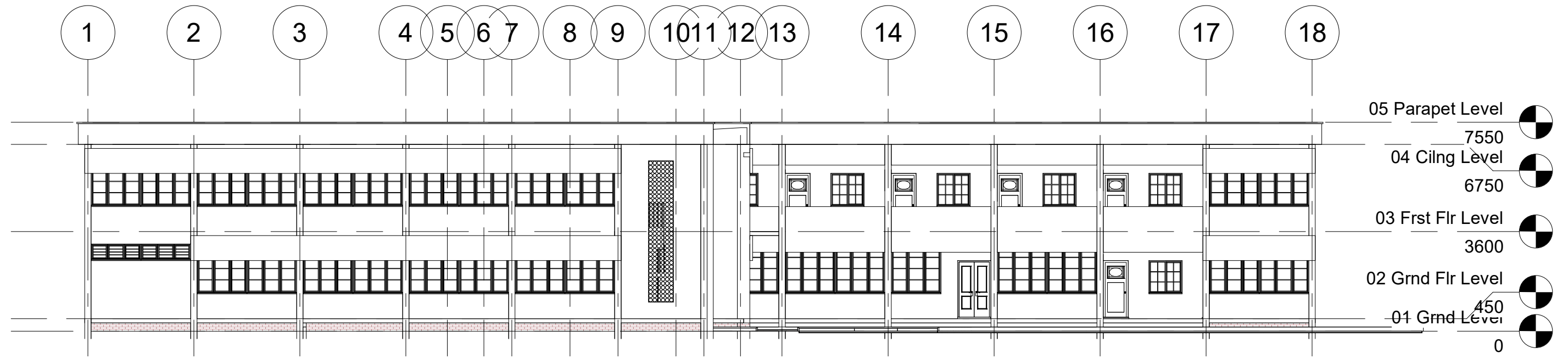
PROPOSED FORENSIC LABORATORIES AND
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FOR
ACEFNDFB
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ZARIA.

ELEVATIONS I

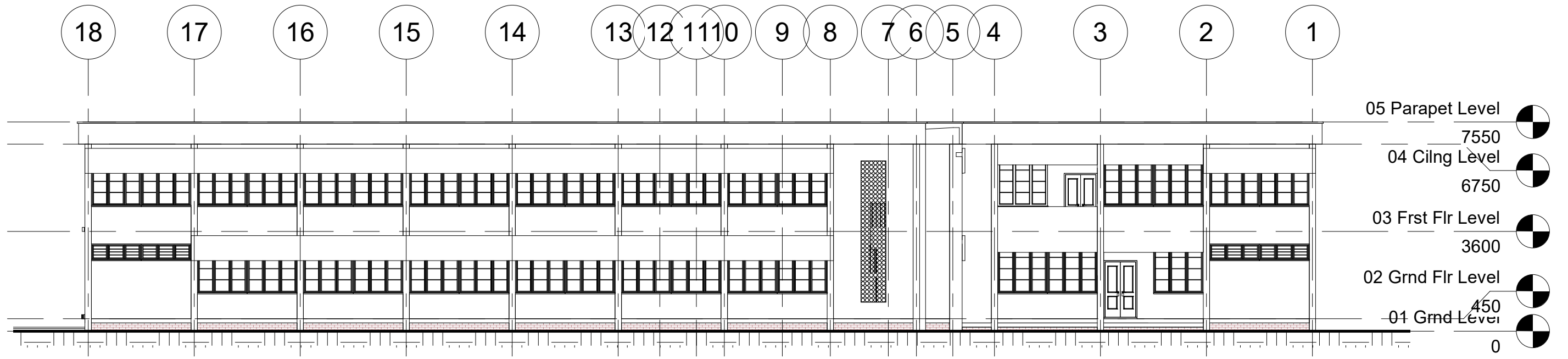
Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C105

Scale 1 : 100



EAST ELEVATION



WEST ELEVATION



NO. 5 TURAKI STREET,
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TEL. 0818 970 1236; 0803 452 9236

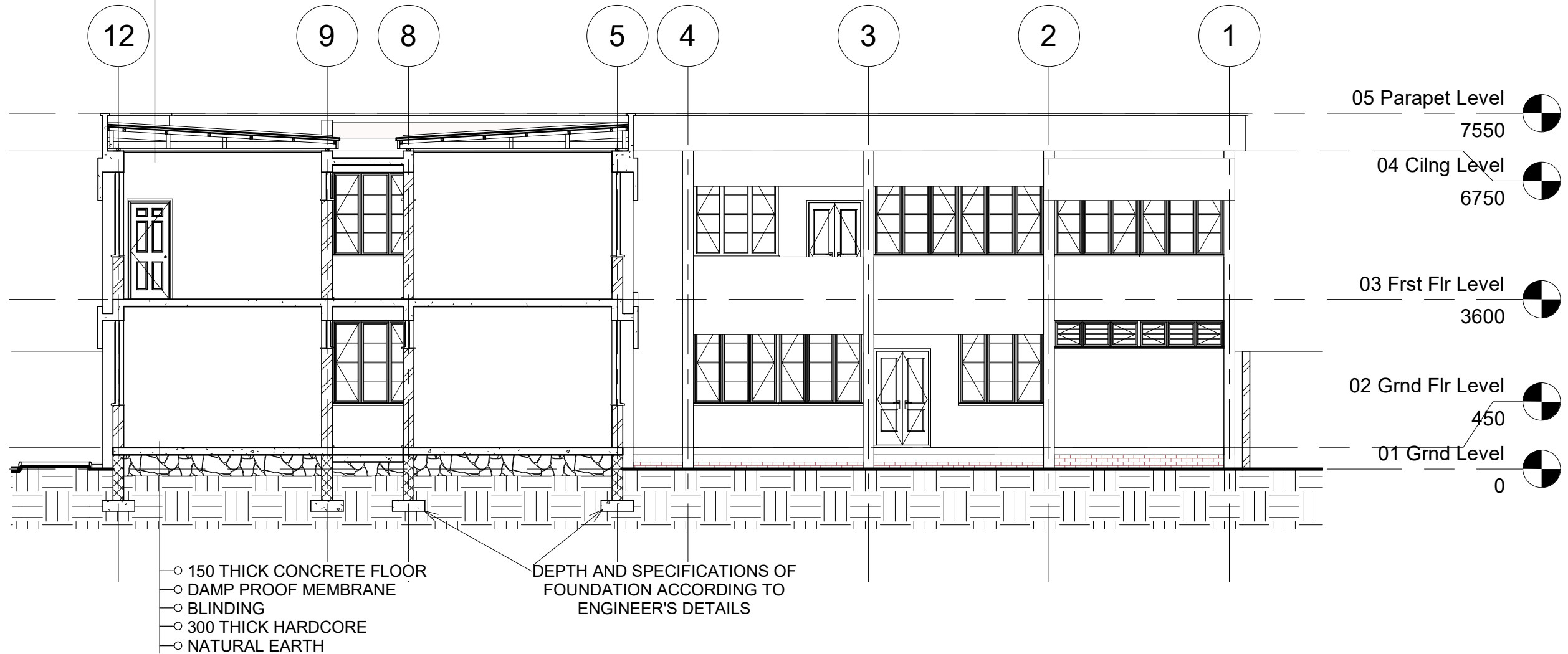
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FOR
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AHMADU BELLO UNIVERSITY SAMARU,
ZARIA.

ELEVATIONS II

Project number	COP/INS/21/03	C106
Date	SEPTEMBER, 2022	
Drawn by	GMB	
Checked by	MHM	
Scale		1 : 150

- LONG SPAN ALUMINIUM ROOFING SHEETS
- 75 X 50 HARDWOOD PURLINS @ 900 CENTERS
- 150 X 50 HARDWOOD RAFTERS @ 1200 CENTERS
- 75 X 50 HARDWOOD TIES AND STRUTS
- 150 X 50 HARDWOOD TIE BEAM @ 1200 CENTERS
- 50 X 50 HARDWOOD NOGGINS @ 600 CENTERS
- CEILING BOARD



NO. 5 TURAKI STREET,
JAMA'A, ZARIA, KADUNA STATE.
TEL. 0818 970 1236; 0803 452 9236

No.	Description	Date

PROPOSED FORENSIC LABORATORIES AND ADMINISTRATIVE OFFICES FOR **ACEFNTDFB** LOCATED AT MAIN CAMPUS, AHMADU BELLO UNIVERSITY SAMARU, ZARIA.

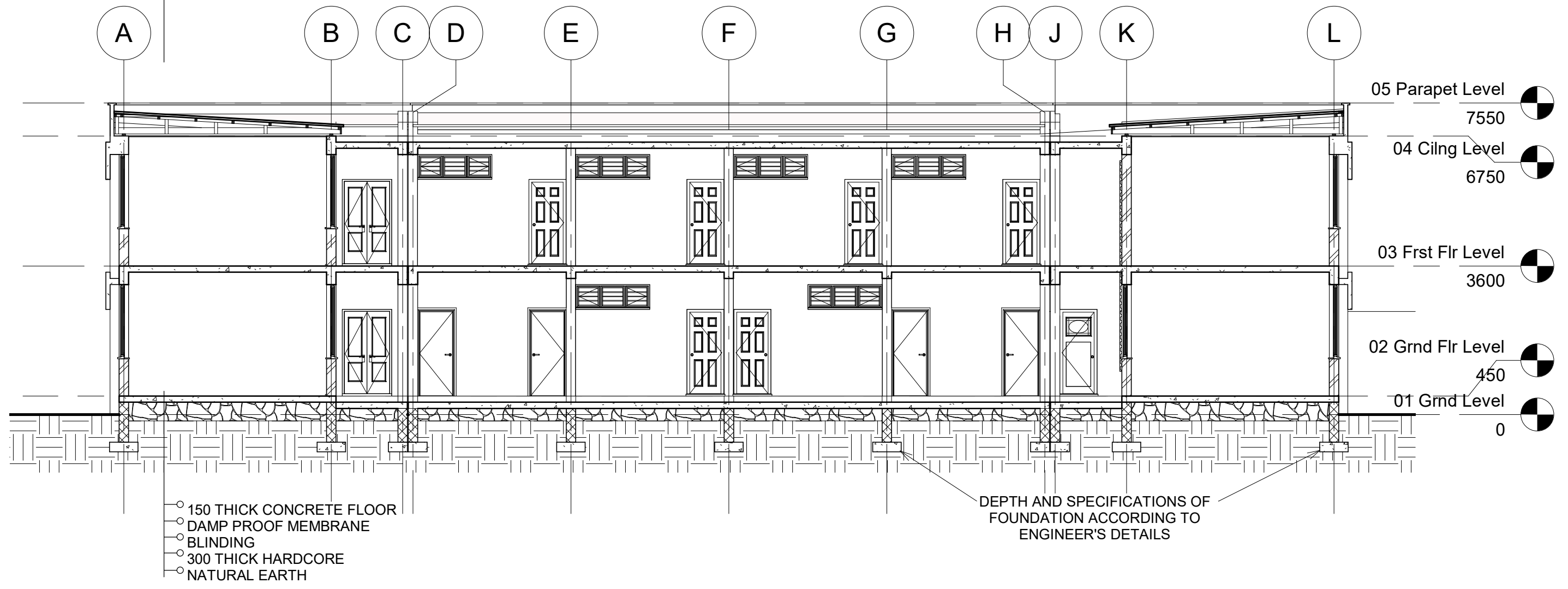
SECTION A-A

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C107

Scale 1 : 100

- LONG SPAN ALUMINIUM ROOFING SHEETS
- 75 X 50 HARDWOOD PURLINS @ 900 CENTERS
- 150 X 50 HARDWOOD RAFTERS @ 1200 CENTERS
- 75 X 50 HARDWOOD TIES AND STRUTS
- 150 X 50 HARDWOOD TIE BEAM @ 1200 CENTERS
- 50 X 50 HARDWOOD NOGGINS @ 600 CENTERS
- CEILING BOARD



- 150 THICK CONCRETE FLOOR
- DAMP PROOF MEMBRANE
- BLINDING
- 300 THICK HARDCORE
- NATURAL EARTH

DEPTH AND SPECIFICATIONS OF FOUNDATION ACCORDING TO ENGINEER'S DETAILS



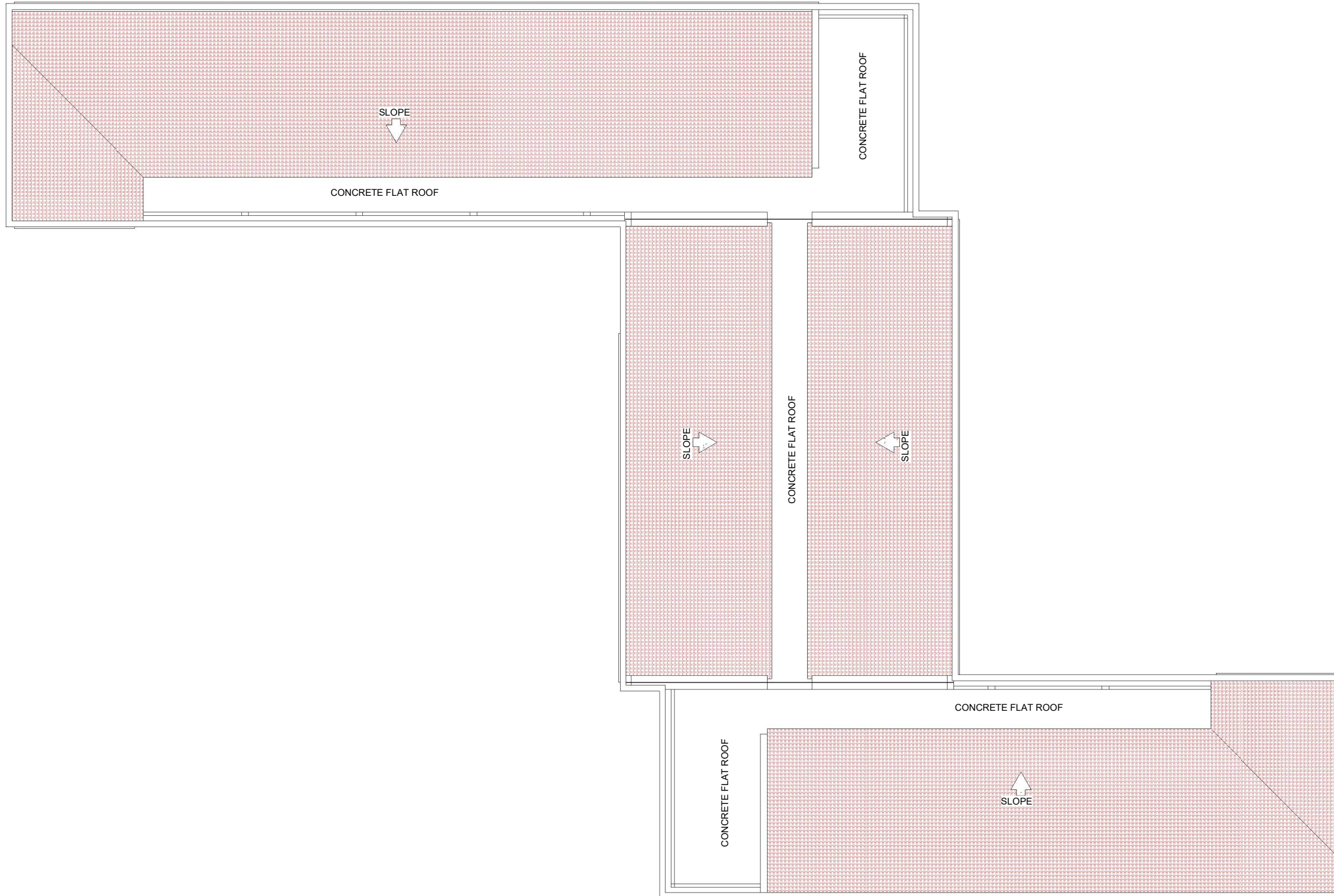
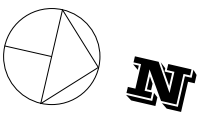
DUO ASSOCIATES
(ARCHITECTS)

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TEL. 0818 970 1236; 0803 452 9236

No.	Description	Date

PROPOSED FORENSIC LABORATORIES AND ADMINISTRATIVE OFFICES FOR **ACEFNTDFB** LOCATED AT MAIN CAMPUS, AHMADU BELLO UNIVERSITY SAMARU, ZARIA.

SECTION B-B		C108
Project number	COP/INS/21/03	
Date	SEPTEMBER, 2022	
Drawn by	GMB	
Checked by	MHM	Scale 1 : 100



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TEL. 0818 970 1236; 0803 452 9236

No.	Description	Date

PROPOSED FORENSIC LABORATORIES AND
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ACEFNDFB
LOCATED AT MAIN CAMPUS,
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ZARIA.

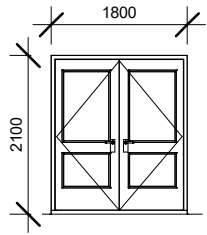
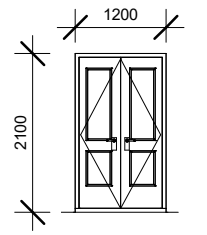
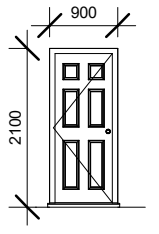
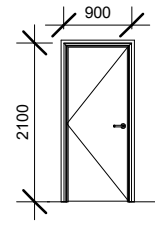
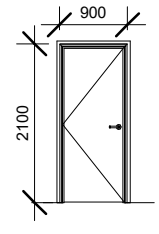
ROOF PLAN

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C109

Scale 1 : 150

D O O R S S C H E D U L E

NAME	SIZE	DESCRIPTION	LOCATION AND POSITION	QUANTITY		TOTAL
				GROUND FLOOR	FIRST FLOOR	
D1		GLAZED STEEL PANELLED DOOR	MAIN ENTRANCE DOOR	1	0	1
D2		GLAZED STEEL PANELLED DOOR	CLASSROOMS, LABORATORIES, MOOT COURT, CONFERENCE ROOM, STAFF ROOM	5	3	8
D3		HARDWOOD PANELLED DOOR	INTERNAL DOORS TO OFFICES	11	12	23
D4		HARDWOOD TIMBER FLUSH DOOR	INTERNAL DOORS TO TOILETS AND STORES	6	2	8
D5		HARDWOOD TIMBER FLUSH DOOR	INTERNAL DOORS TO TOILET CUBICLES	8	3	11



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LOCATED AT MAIN CAMPUS,
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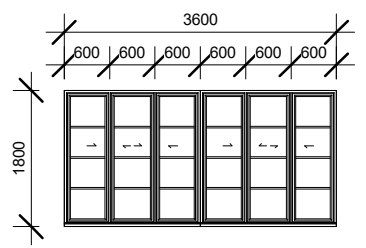
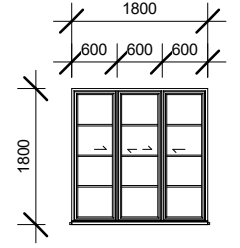
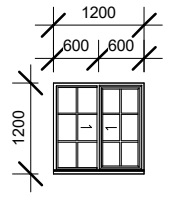
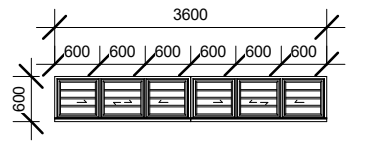
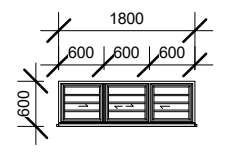
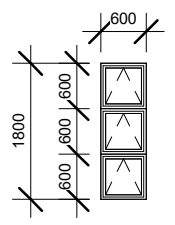
DOORS SCHEDULE

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C110

Scale 1 : 100

W I N D O W S S C H E D U L E

NAME	SIZE	DESCRIPTION	LOCATION AND POSITION	QUANTITY		TOTAL
				GROUND FLOOR	FIRST FLOOR	
W1		2 PAIRS OF 3 TRACKS, 3 PANELS ALUMINIUM SLIDING WINDOW	MAIN EXTERNAL WINDOWS CLASSROOMS LABORATORIES, OFFICES, STAFF ROOM, CONFERENCE ROOM	19	23	42
W2		3 TRACKS, 3 PANELS ALUMINIUM SLIDING WINDOW	MAIN WINDOWS OPENING TO VERANDAHS OF CLASSROOMS, LABORATORIES MOOT COURT & CRIME SCENE.	4	2	6
W3		2 TRACKS, 2 PANELS ALUMINIUM SLIDING	WINDOWS OF OFFICES OPENING TO VERANDAHS.	1	6	7
W4		2 PAIRS OF 3 TRACKS, 3 PANELS HIGH LEVEL ALUMINIUM SLIDING	HIGH LEVEL EXTERNAL WINDOWS TO TOILETS AND STORES	6	1	7
W5		3 TRACKS, 3 PANELS ALUMINIUM SLIDING WINDOW	HIGH LEVEL WINDOWS TO OFFICES OPENING INTO CORRIDOR	5	6	11
W6		3 PANELS PROJECTED ALUMINIUM WINDOW	MAIN ENTRANCE HALL	2	0	2



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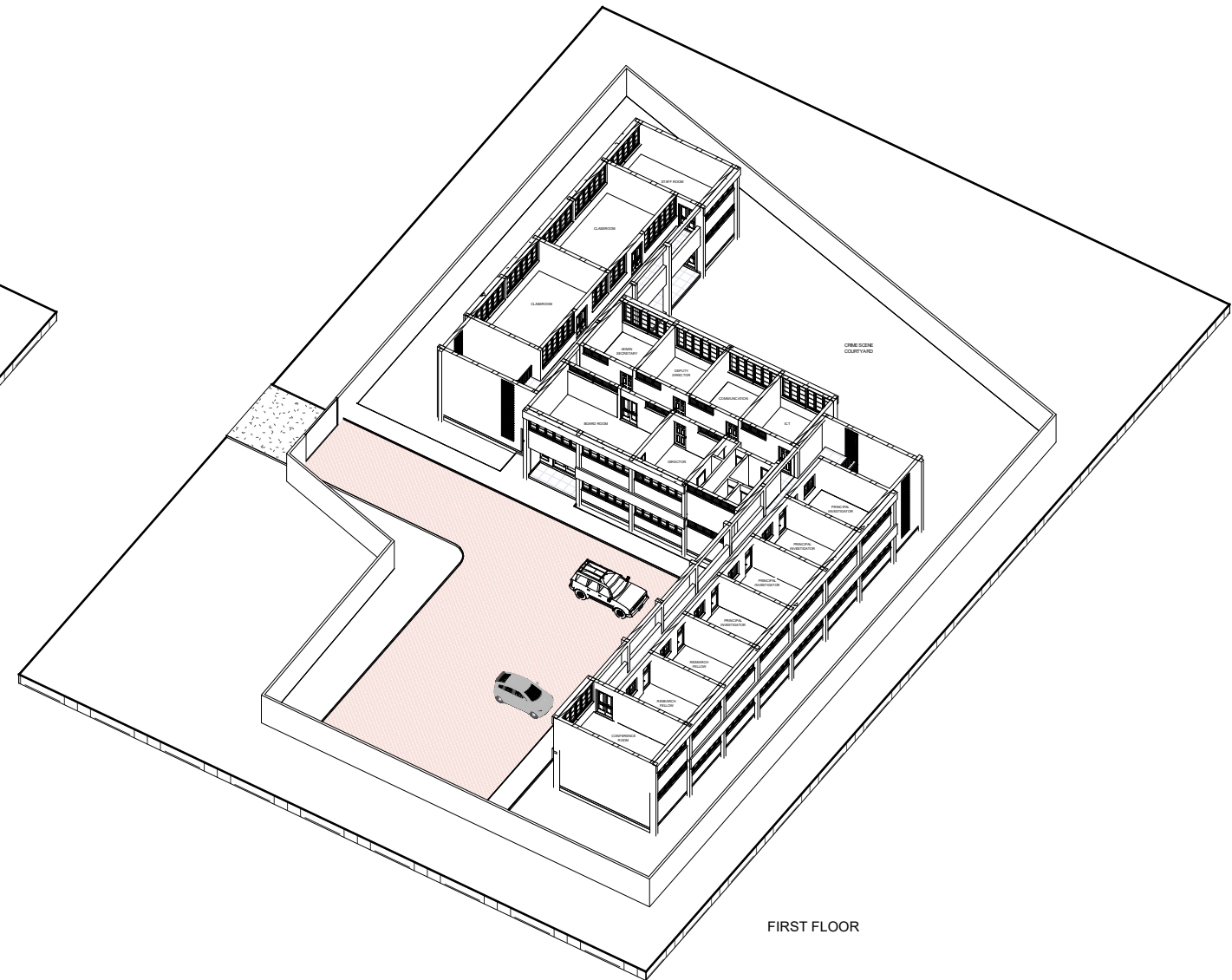
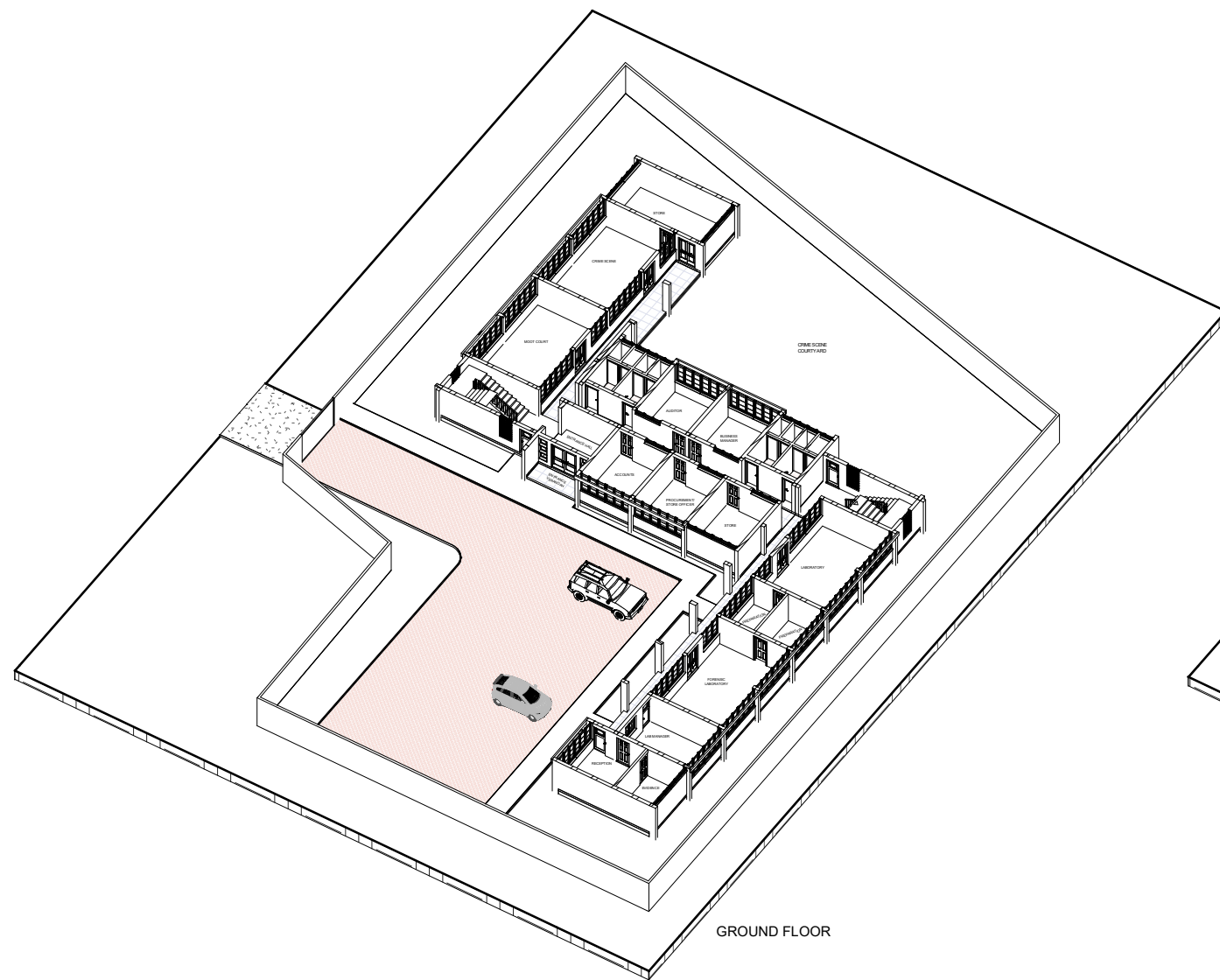
PROPOSED FORENSIC LABORATORIES AND
ADMINISTRATIVE OFFICES
FOR
ACEFNDFB
LOCATED AT MAIN CAMPUS,
AHMADU BELLO UNIVERSITY SAMARU,
ZARIA.

WINDOW SCHEDULE

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C111

Scale 1 : 100



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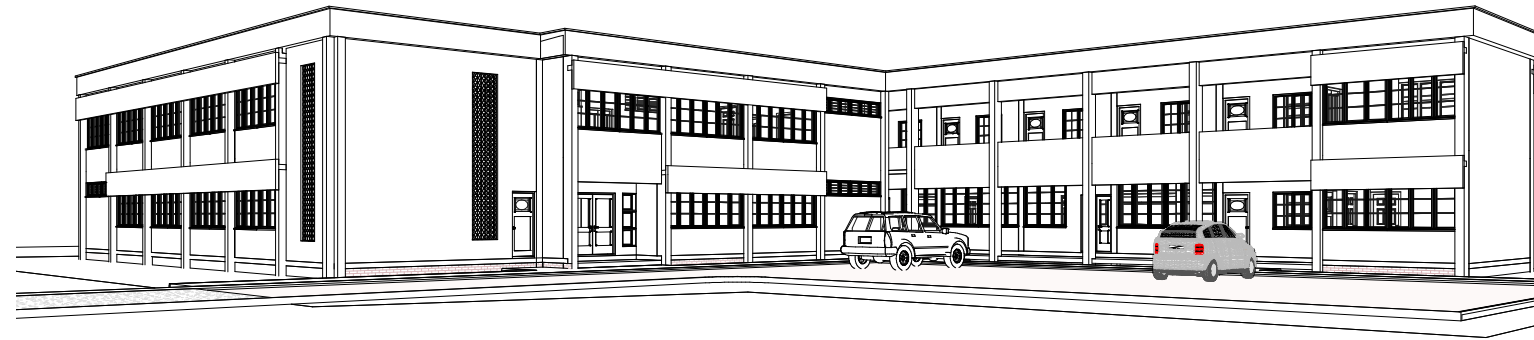
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LOCATED AT MAIN CAMPUS,
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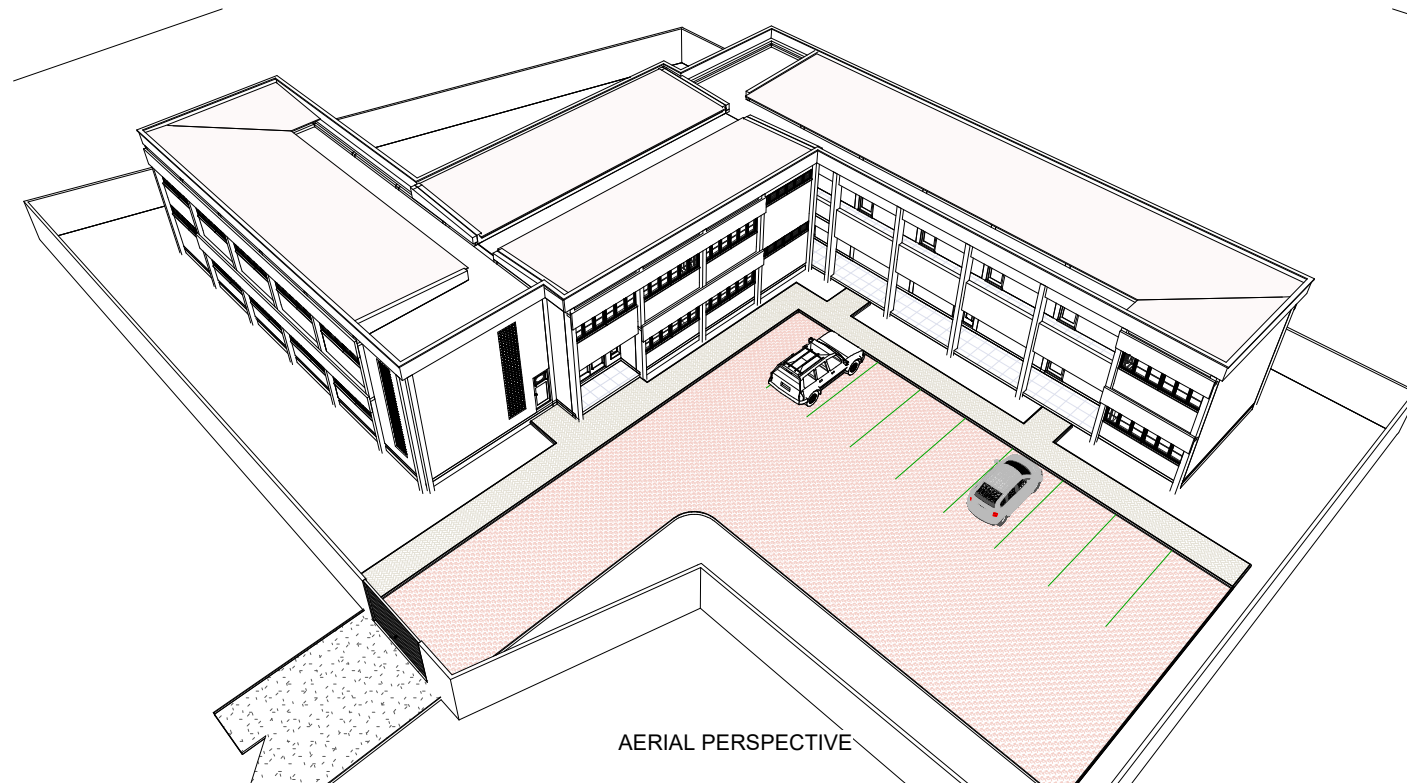
CUT-OUT VIEWS

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C112
Scale



APPROACH
PERSPECTIVE



AERIAL PERSPECTIVE



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LOCATED AT MAIN CAMPUS,
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ZARIA.

PEREPECTIVES

Project number	COP/INS/21/03
Date	SEPTEMBER, 2022
Drawn by	GMB
Checked by	MHM

C113	
	Scale

**STRUCTURAL DRAWINGS FOR
PROPOSED FORENSIC
LABORATORY**

**MAIN CAMPUS
AHMADU BELLO UNIVERSITY ZARIA.**

SEPTEMBER, 2022

GENERAL NOTES :

1.0 DISCREPANCIES AND DIMENSIONS :

- 1.1 ALL STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICES DRAWINGS, AND IN CASE OF ANY DISCREPANCIES, REFER TO SITE ENGINEER FOR CLARIFICATION.
- 1.2 ALL DIMENSIONS MUST NOT BE SCALED. WORK TO THE FIGURED DIMENSION ONLY. ANY MISSING DIMENSION SHOULD BE REFERED TO THE DESIGN ENGINEER FOR RESOLUTION.

2.0 SITE PREPARATION AND EXCAVATION

- 2.1 THE BUILDING AREA SHALL BE STRIPPED OFF OF TURF AND TOP SOIL TO A MINIMUM DEPTH OF 150MM.
- 2.2 EXCAVATION FOR FOUNDATION SHALL BE BLINDED WITH 50MM THICK GRADE C10 CONCRETE IMMEDIATELY THE FOUNDATION LEVEL IS REACHED AND/OR DETERMINE ON SITE.
- 2.3 ANY POCKETS OF SOFT SOIL OR OTHER UNSUITABLE MATERIAL FOUND AT THE BOTTOM OF EXCAVATION SHALL BE REMOVED UNTIL FIRM GROUND IS REACHED AND LEVEL MADE UP WITH LEAN CONCRETE OR OTHER SUITABLE FILL MATERIAL AS WILL BE DIRECTED BY ENGINEER.
- 2.4 FILL MATERIAL WHERE REQUIRED SHALL BE ROCK LATERITE OR OTHER APPROVED GRANULAR MATERIAL COMPLYING WITH (L.L) NOT LESS THAN 4.5 (P.L) AND NOT GREATER THAN 10 AND COMPACTED IN 150MM LAYERS.

3.0 FOUNDATIONS

- 3.1 UNLESS OTHERWISE STATED, THIS FOUNDATION HAS BEEN DESIGNED FOR AN ASSUMED ALLOWABLE BEARING PRESSURE OF 150 kN/m² WHICH SHOULD BE VERIFIED ON SITE.
- 3.2 THE FOUNDATION TYPES ADOPTED ARE INDIVIDUAL/COMBINED BASE FOOTINGS.

4.0 CONCRETE

- 4.1 CONCRETE MIXES ARE TO BE AS FOLLOWS:-
- 4.11 STRUCTURAL CONCRETE = GRADE C20/25 (1:2:4 RATIO)
- 4.12 MASS CONCRETE = GRADE C15/20 (1:3:6 RATIO)
- 4.13 MAXIMUM COARSE AGGREGATE SIZE = 20mm
- 4.14 MAXIMUM WATER - CEMENT RATIO = 0.6
- 4.2 STRUCTURAL CONCRETE TO HAVE A MINIMUM "CHARACTERISTIC CUBE CRUSHING STRENGTH" (f_{cu}) OF 25N/mm² AT 28 - DAYS.

5.0 STEEL REINFORCEMENTS

- 5.1 ALL STEEL REINFORCING BARS SHALL BE IN ACCORDANCE WITH BS 4449.
- 5.2 FABRIC REINFORCEMENT SHALL BE TO BS 4482
- 5.3 COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
- 5.31 FOUNDATION = 50mm
- 5.32 COLUMNS = 25mm
- 5.33 BEAMS = 25mm
- 5.34 SLABS = 20mm (UNLESS OTHERWISE INDICATED)
- 5.4 STEEL REINFORCEMENT TO HAVE A MINIMUM "CHARACTERISTIC STRENGTH DESIGNATED :-
- f_{yv} = 250N/mm² (HOT-ROLLED MILD STEEL ROUND BAR)
- f_y = 410N/mm² (HOT-ROLLED HIGH YIELD STEEL TWISTED BAR)

5.41 ABBREVIATIONS:-

- M = ROUND MILD STEEL REINFORCEMENT
- Y = HIGH YIELD TWISTED STEEL REINFORCEMENT
- T = TOP
- B = BOTTOM
- C/C = CENTRE TO CENTRE

6.0 BLOCK WORKS

- 6.1 MIX PROPORTION SHALL BE 1:6 CEMENT/SAND RATIO WITH WATER REGULATED TO PRODUCE DRIEST MIX CONSISTENT WITH FULL COMPACTION.
- 6.2 AVERAGE STRENGTH OF 15 BLOCKS NOT LESS THAN 3.56N/mm². INDIVIDUAL STRENGTH OF BLOCKS NOT LESS THAN 2.56N/mm².

7.0 INDEMNITY

- 7.1 THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY STRUCTURAL MEMBER CONSTRUCTED WITHOUT HIS CONSENT.

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

FN & ASSOCIATES LTD.
SUITE 23B HAMISU ABBA PLAZA,
MAIDUGURI RD., TARAUNI, KANO

Client:

AHMADU BELLO UNIVERSITY, ZARIA

Project:

PROPOSED FORENSIC LABORATORY

Location:

MAIN CAMPUS, A.B.U ZARIA

Contents:

GENERAL SPECIFICATIONS

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

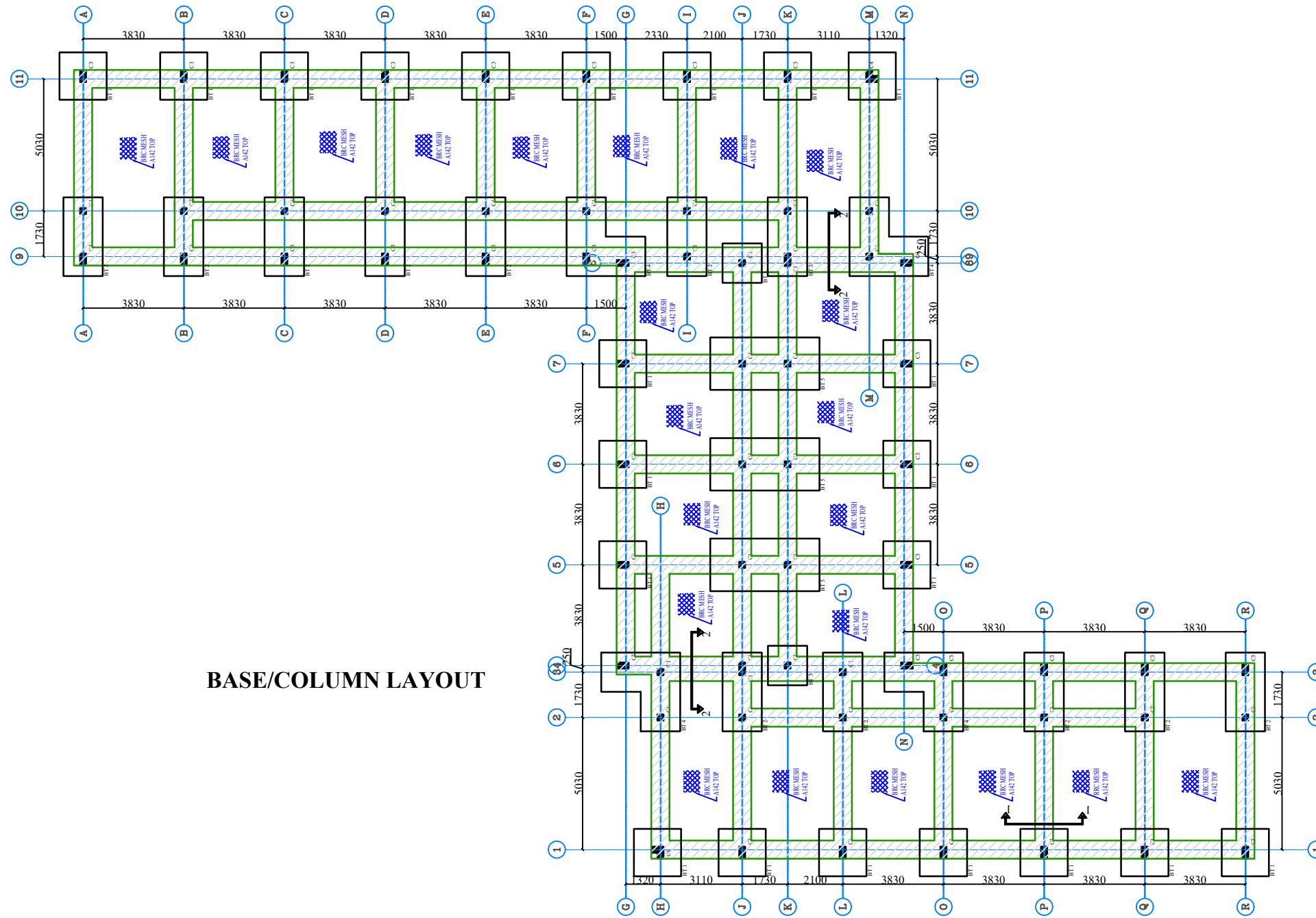
Checked: HSL

Sheet No:

Date: SEPTEMBER, 2022

ST/A1

NOS.	DATE	INITIAL	REVISION



BASE/COLUMN LAYOUT

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

Checked: HSL

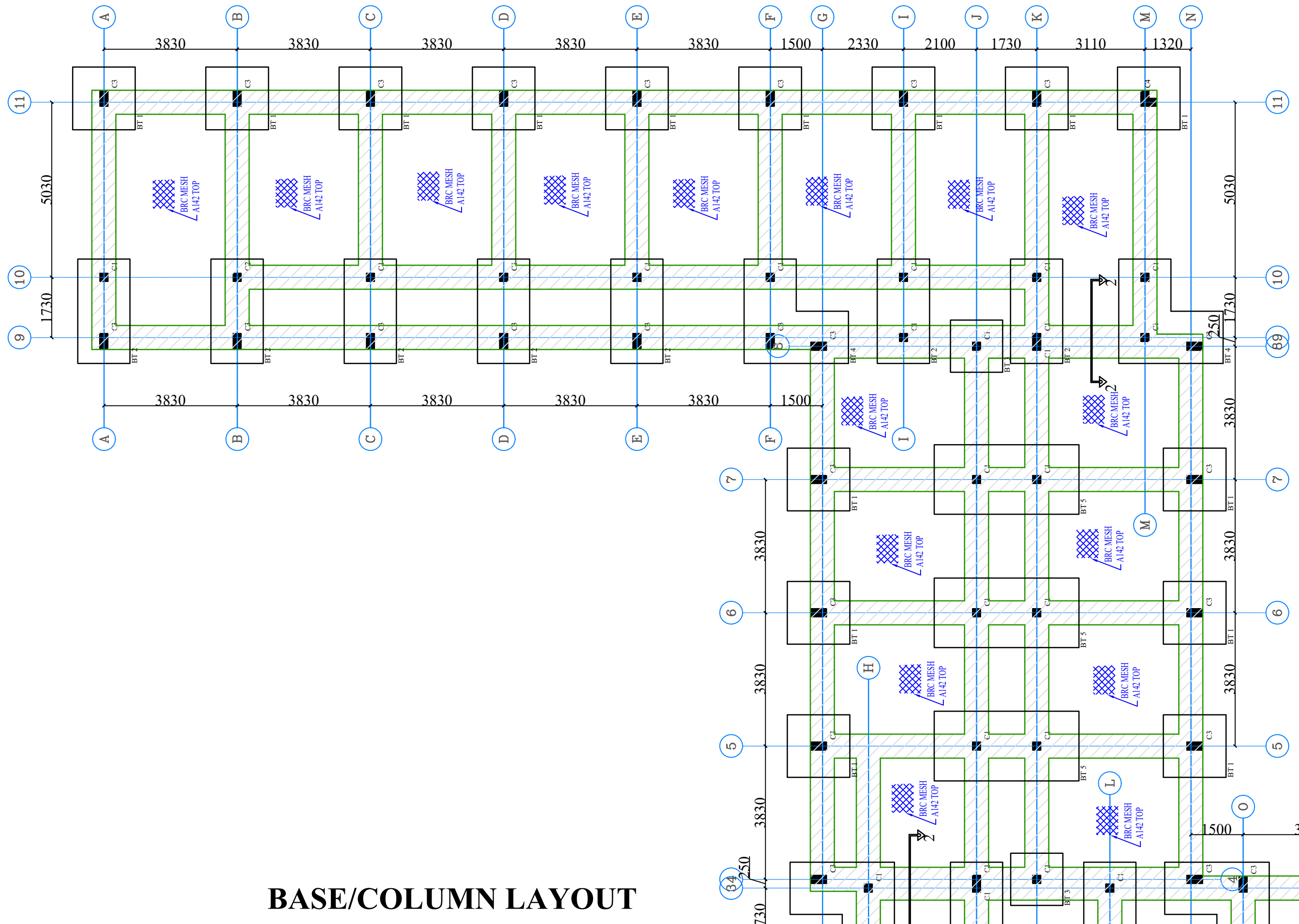
Sheet No:

Date: SEPTEMBER, 2022

Project: PROPOSED FORENSIC LABORATORY

Contents: FOUNDATION/STRIP/COLUMN LAYOUT

ST/B1



BASE/COLUMN LAYOUT

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Project: PROPOSED FORENSIC LABORATORY

Contents: FOUNDATION/STRIP/COLUMN LAYOUT

Drawn: MLS

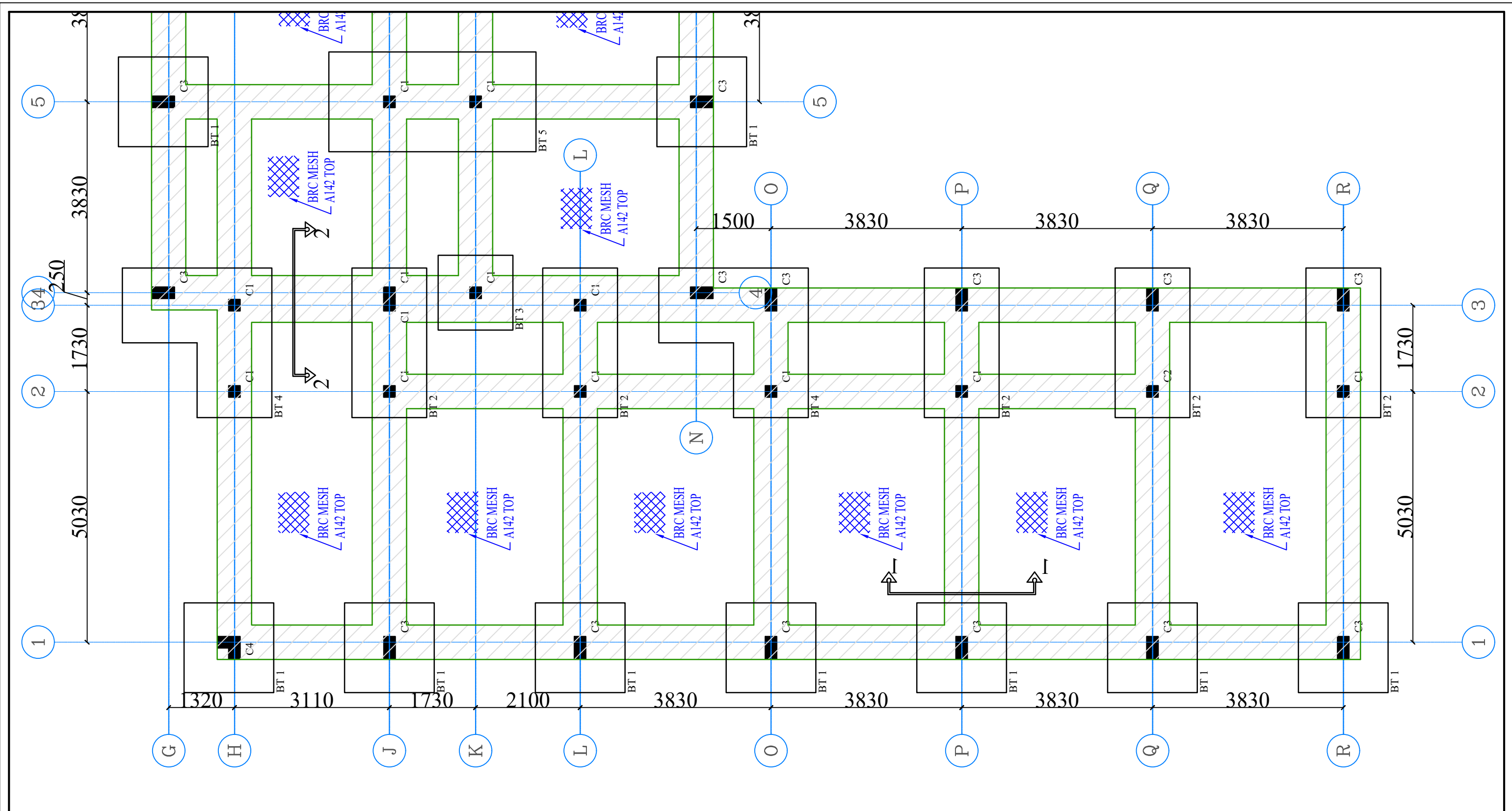
Job No:

Checked: HSL

Date: SEPTEMBER, 2022

Sheet No:

ST/B2



BASE/COLUMN LAYOUT

NOTES			
ALL DIMENSIONS ARE IN MILLIMETERS			
NOS.	DATE	INITIAL	REVISION

Engineers: _____

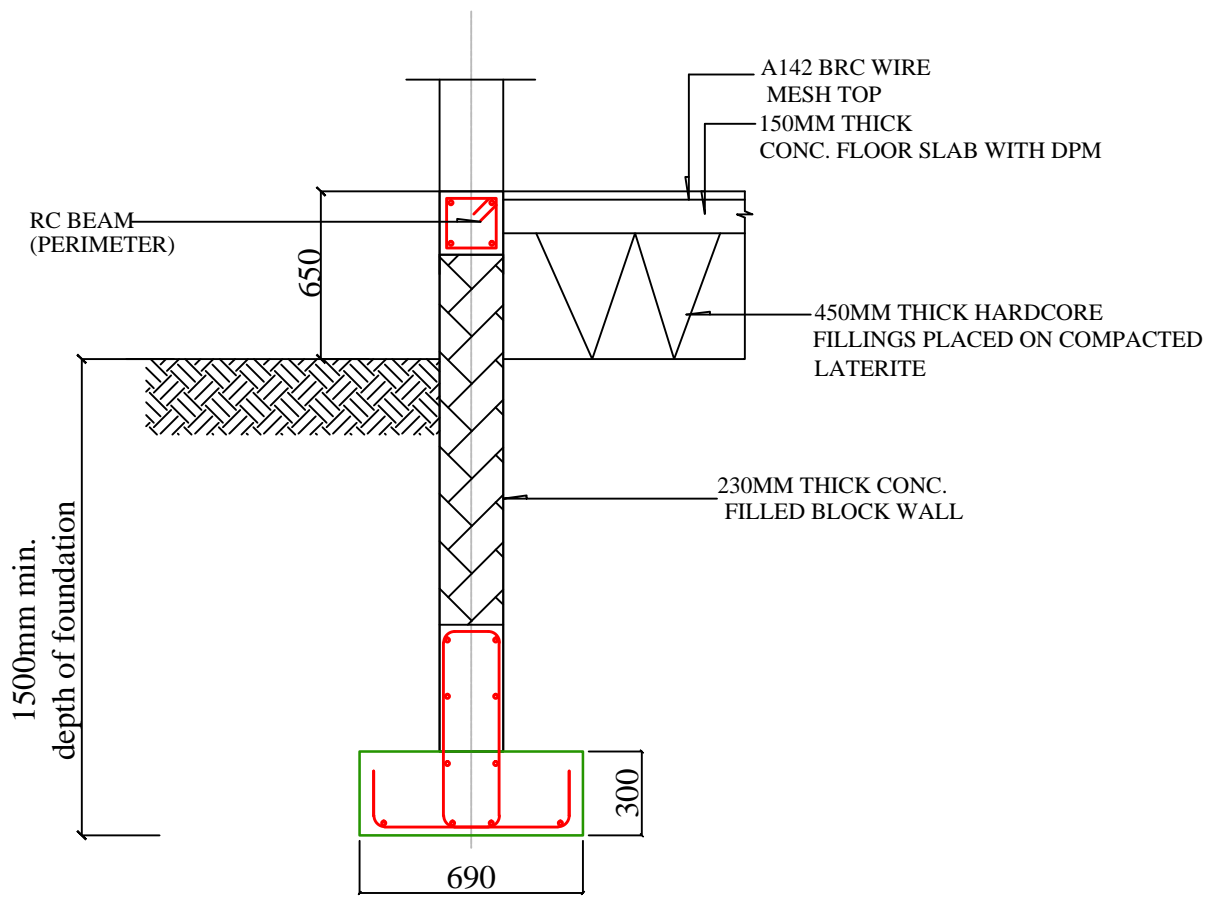
Client: AHMADU BELLO UNIVERSITY, ZARIA

Project: PROPOSED FORENSIC LABORATORY

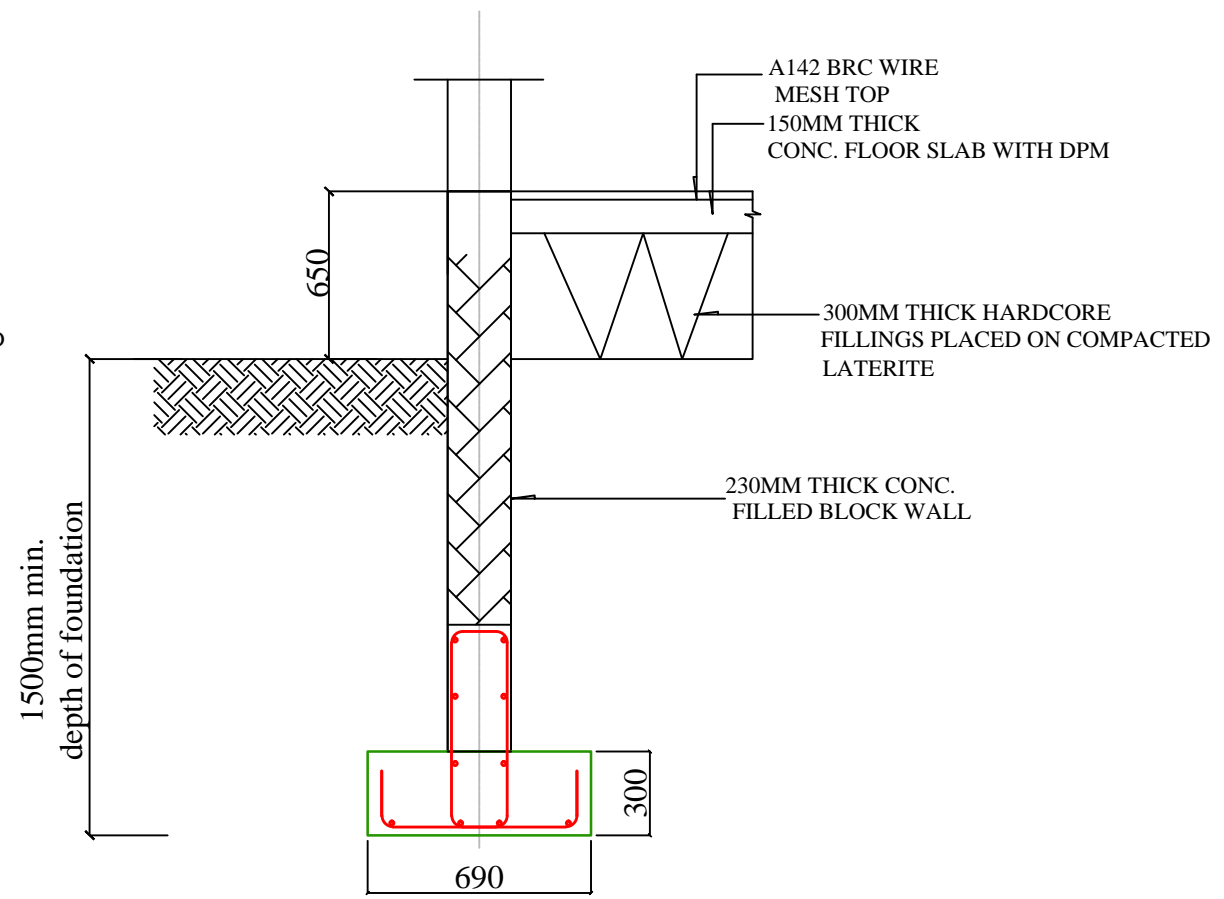
Location: MAIN CAMPUS, A.B.U ZARIA

Contents: FOUNDATION/STRIP/COLUMN LAYOUT

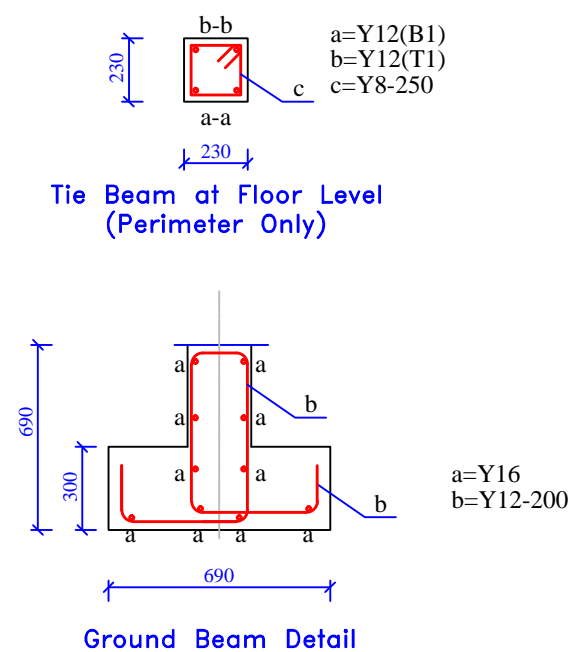
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Drawn: MLS	Job No:
Checked: HSL	Sheet No:
Date: SEPTEMBER, 2022	ST/B3



SECTION 1-1 (Perimeter Strips)



SECTION 2-2 (Internal Strips)



Ground Beam Details

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

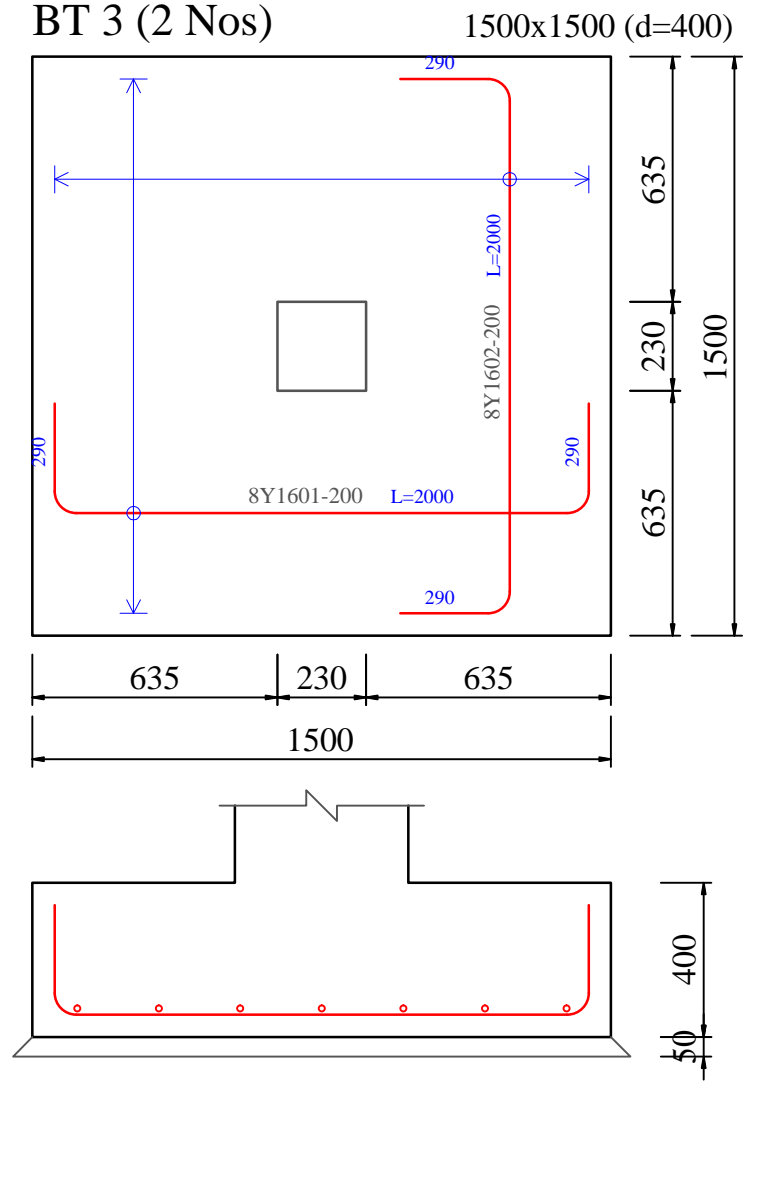
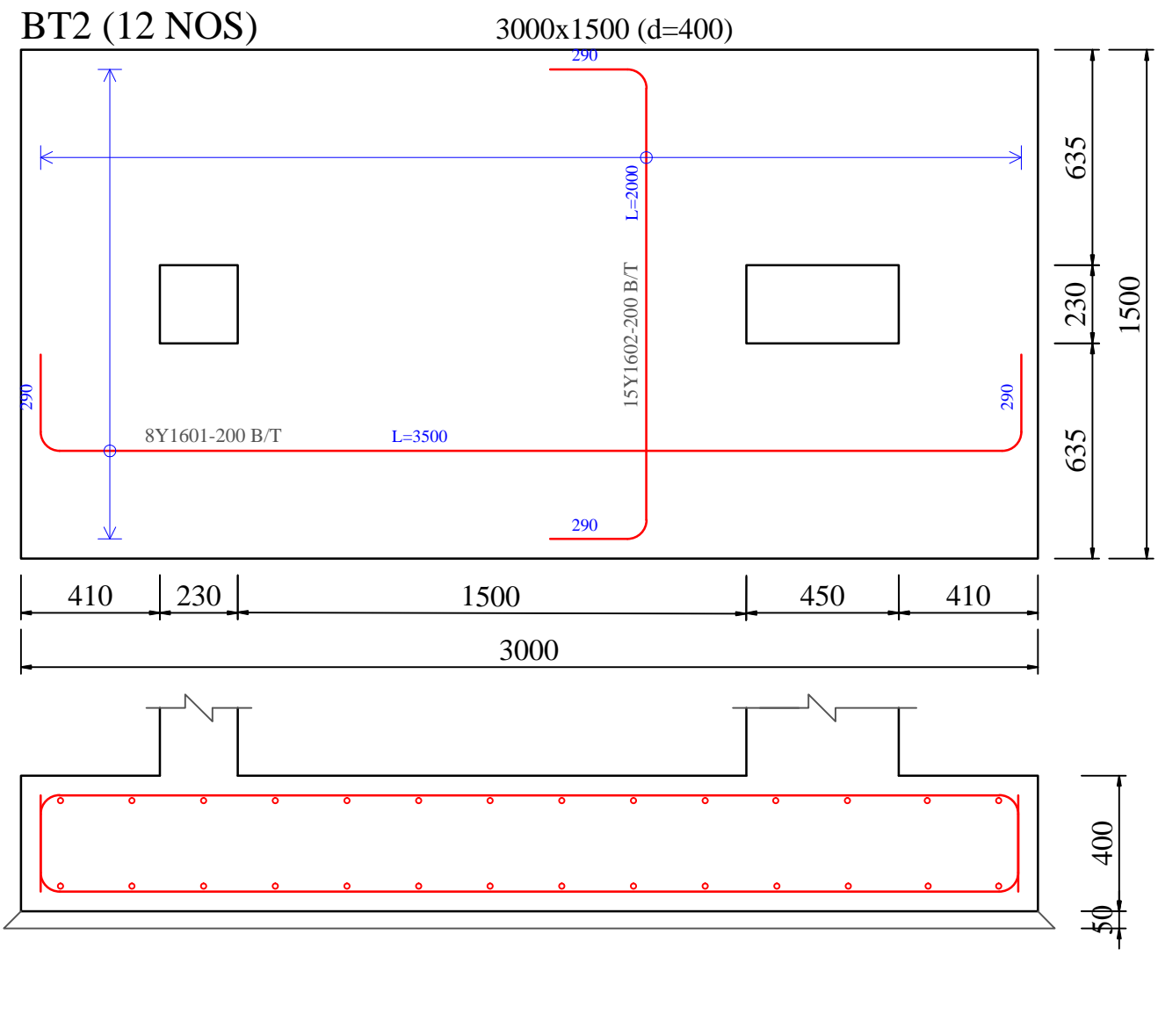
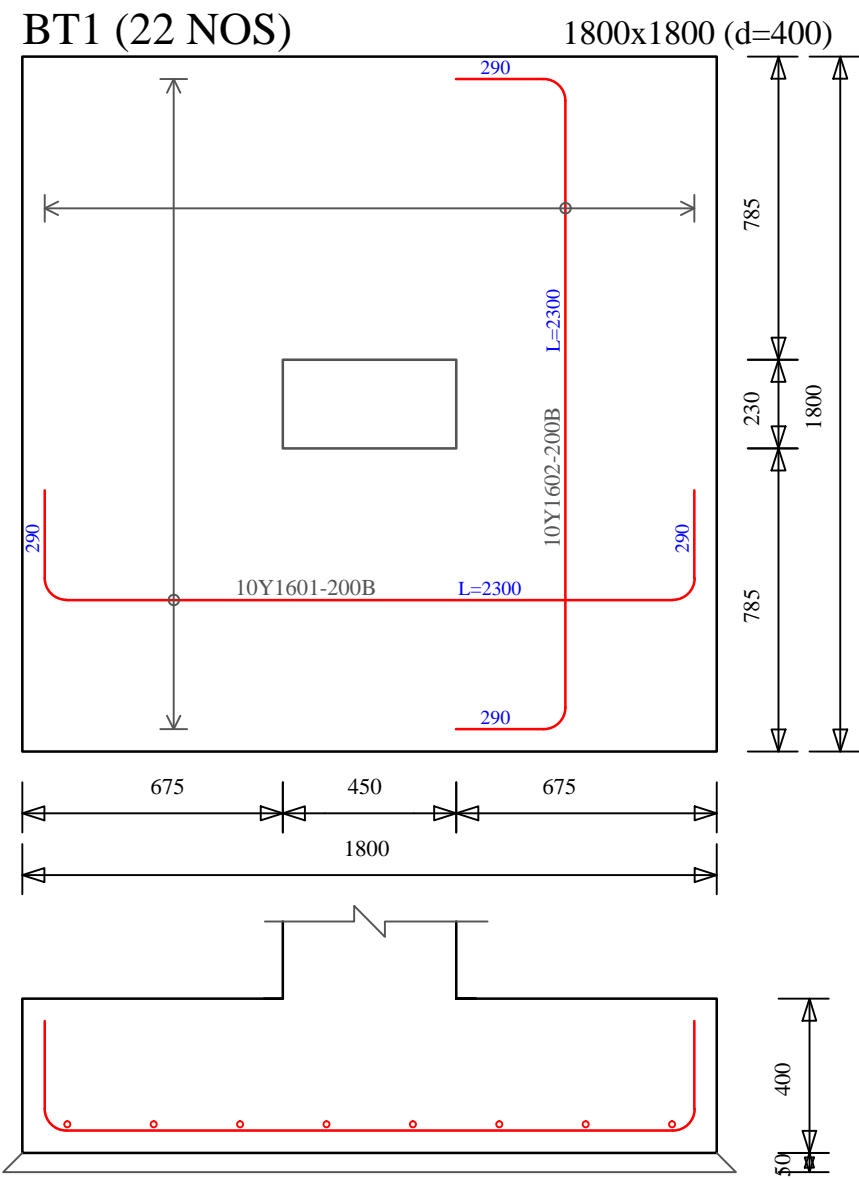
NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA
Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA
Contents: BASE DETAILS

Designed: MLS
Drawn: MLS
Checked: HSL
Date: SEPTEMBER, 2022
Scale: NTS
Job No:
Sheet No: ST/C1



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA

Contents: BASE DETAILS

Designed: MLS

Drawn: MLS

Checked: HSL

Date: SEPTEMBER, 2022

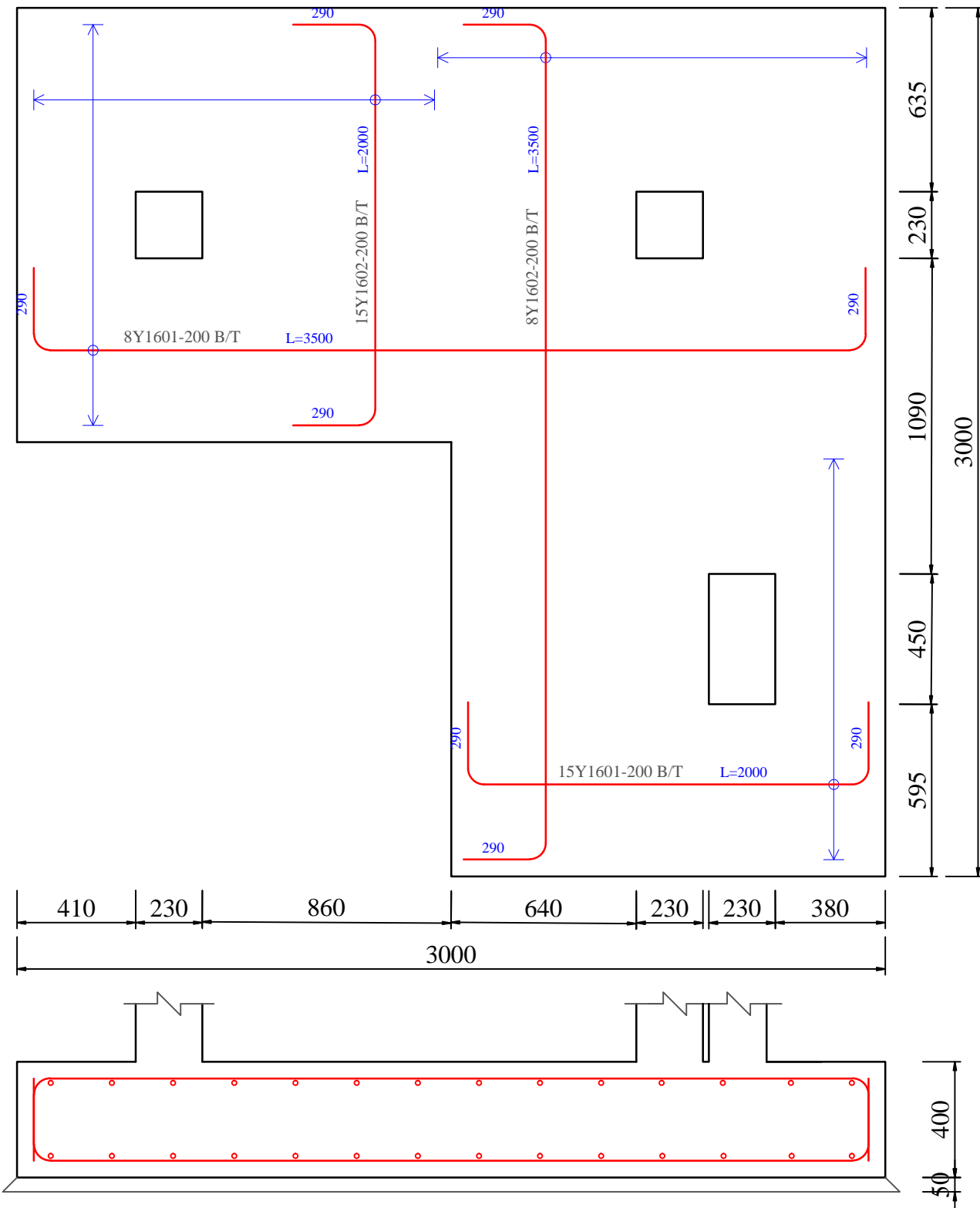
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Job No:

Sheet No: **ST/C2**

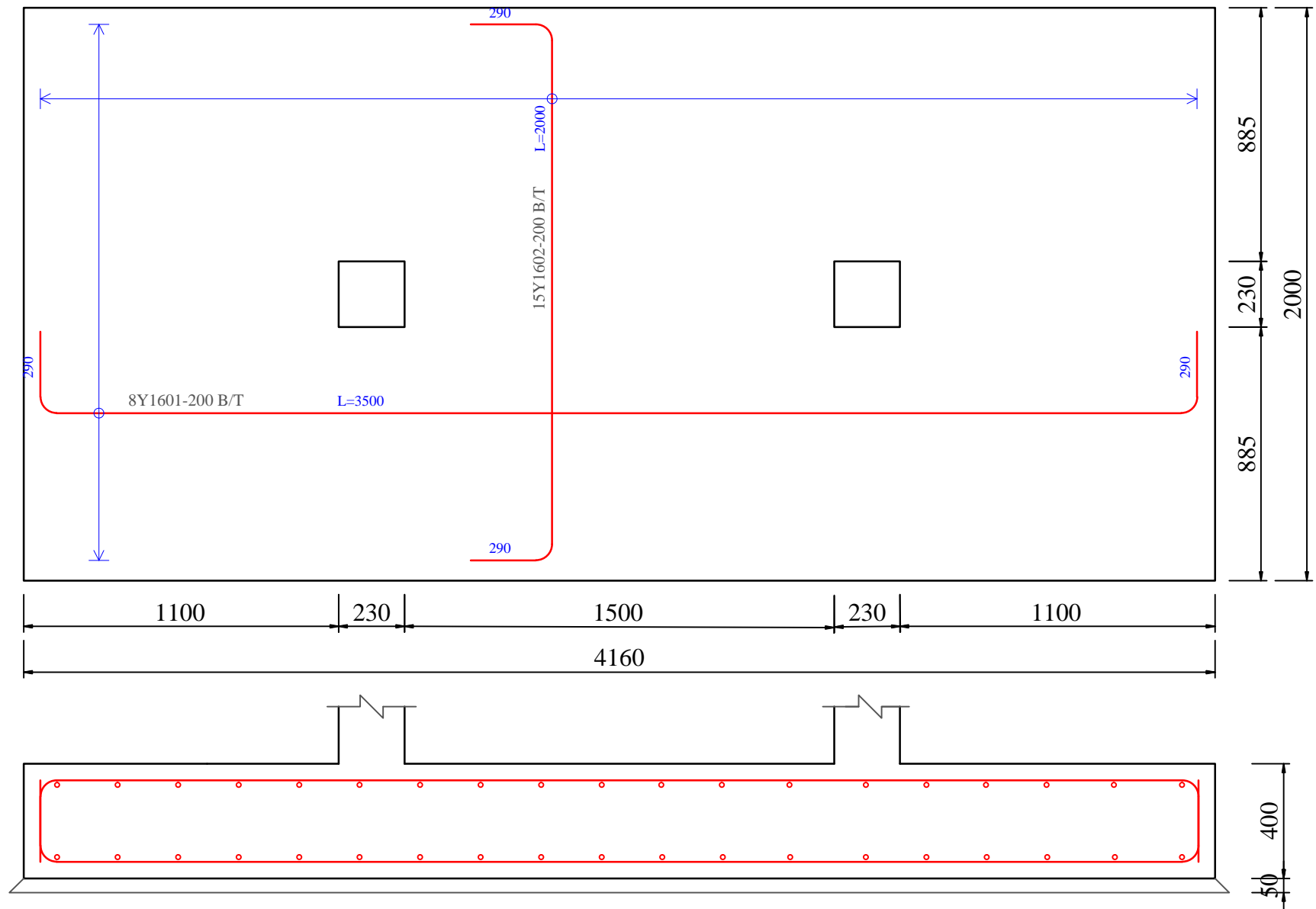
BT 4 (4 Nos)

See Dimensions (d=400)



BT 5 (3 Nos)

1500x1500 (d=400)



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

Checked: HSL

Sheet No:

Date: SEPTEMBER, 2022

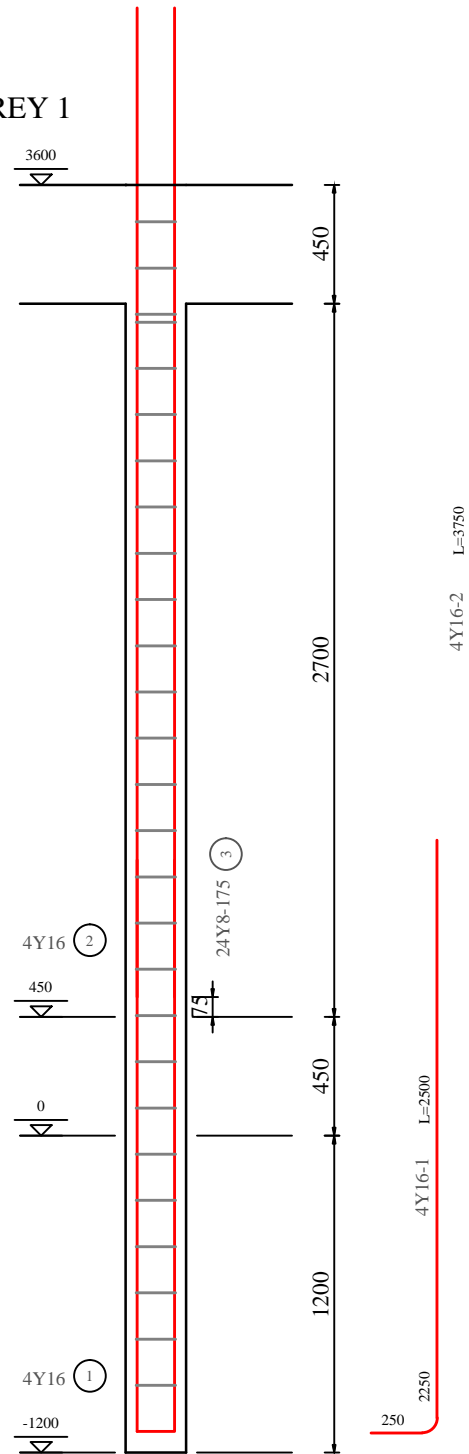
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NOS.	DATE	INITIAL	REVISION

Project: PROPOSED FORENSIC LABORATORY

Contents: BASE DETAILS

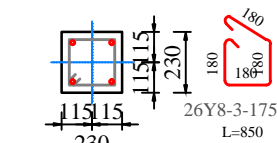
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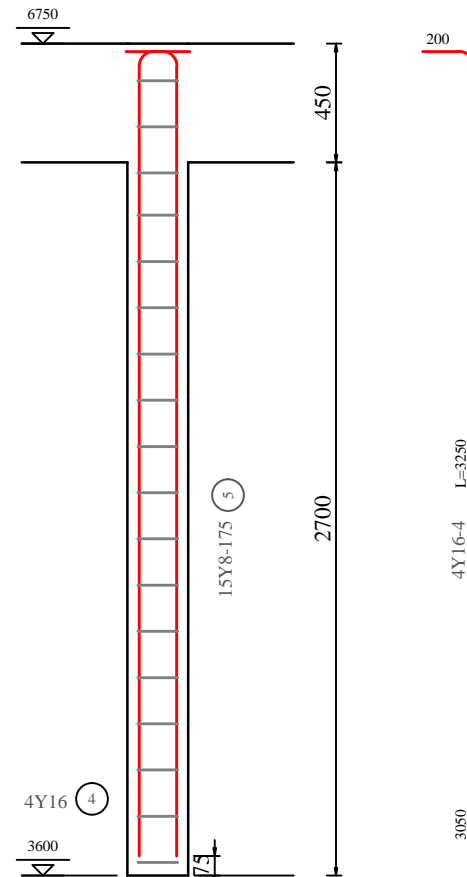
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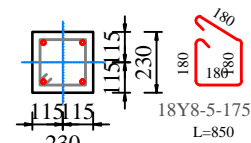
C1 (30 Nos)
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STOREY 2



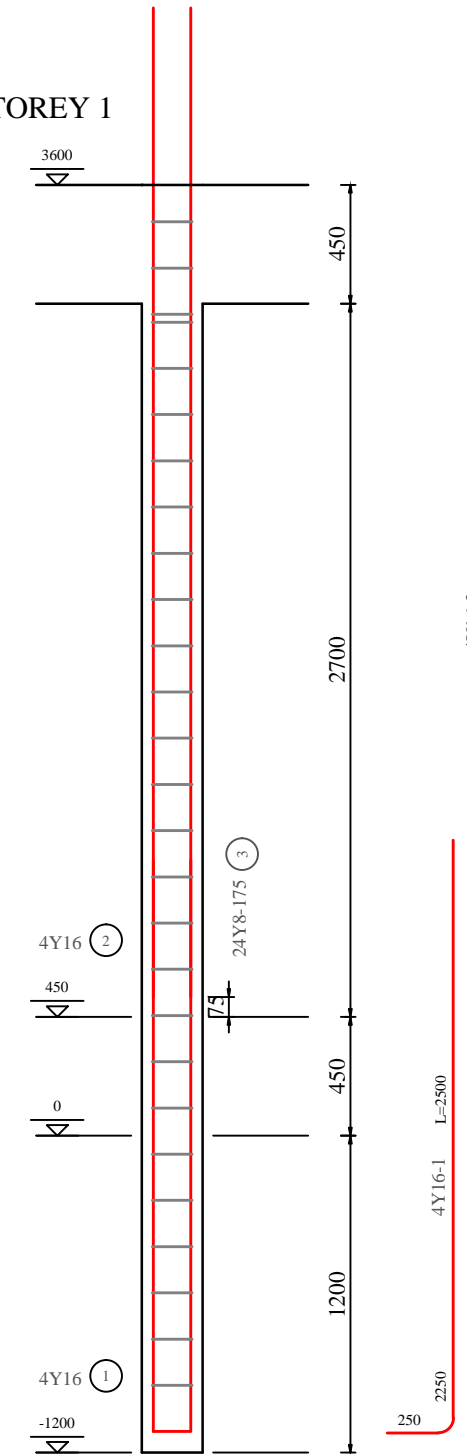
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3050



C1 (30 Nos)
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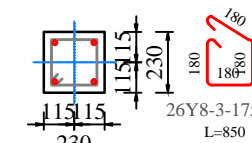
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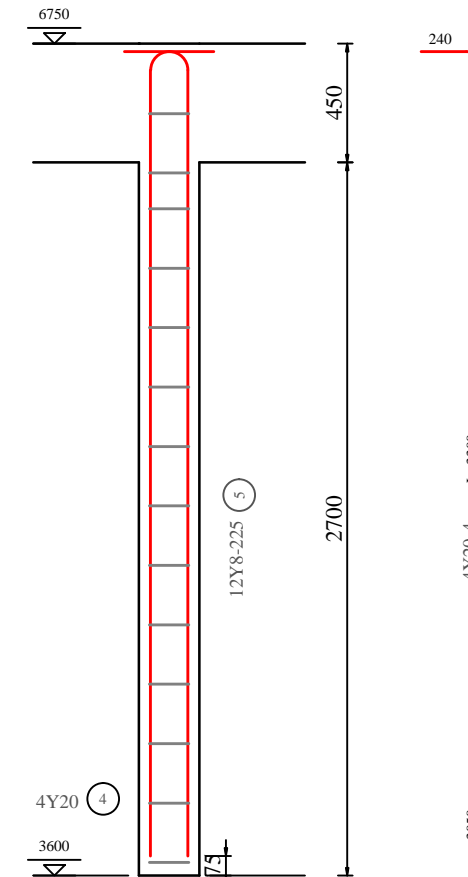
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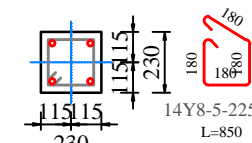
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STOREY 2



4Y20-4 L=3300

3050



C2 (2 Nos)
230x230

COLUMN DETAILS

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

FN & ASSOCIATES LTD.
SUITE 23B HAMISU ABBA PLAZA,
MAIDUGURI RD., TARAUNI, KANO

Client:

AHMADU BELLO UNIVERSITY, ZARIA

Location:

MAIN CAMPUS, A.B.U ZARIA

Project:

PROPOSED FORENSIC LABORATORY

Contents:

COLUMN DETAILS

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

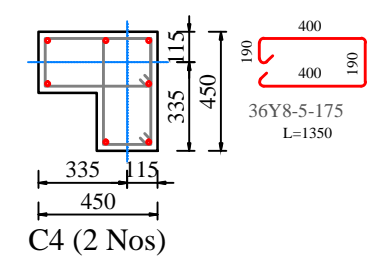
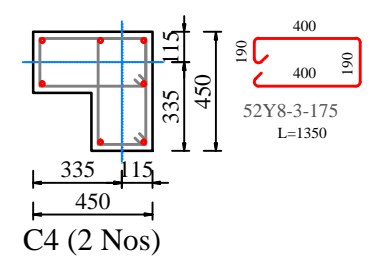
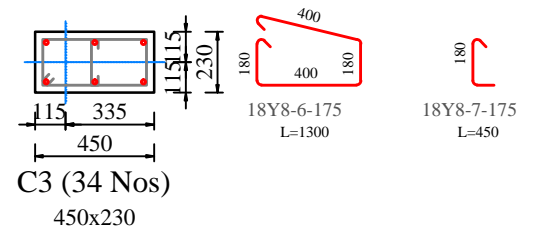
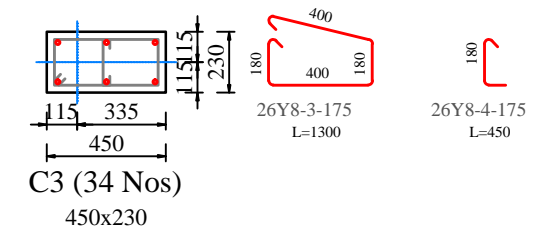
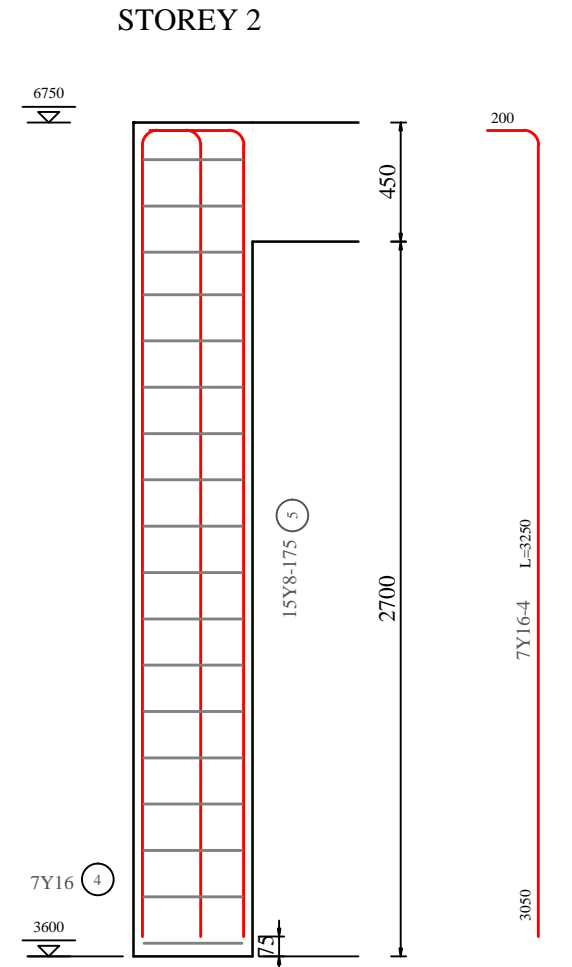
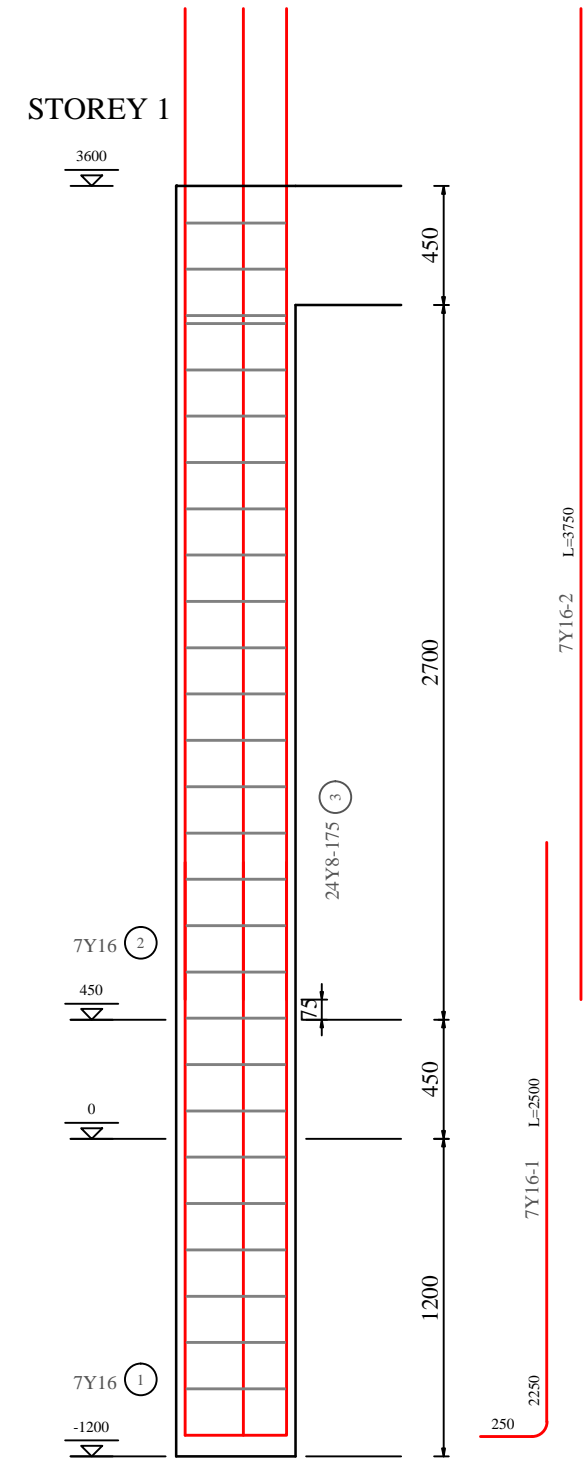
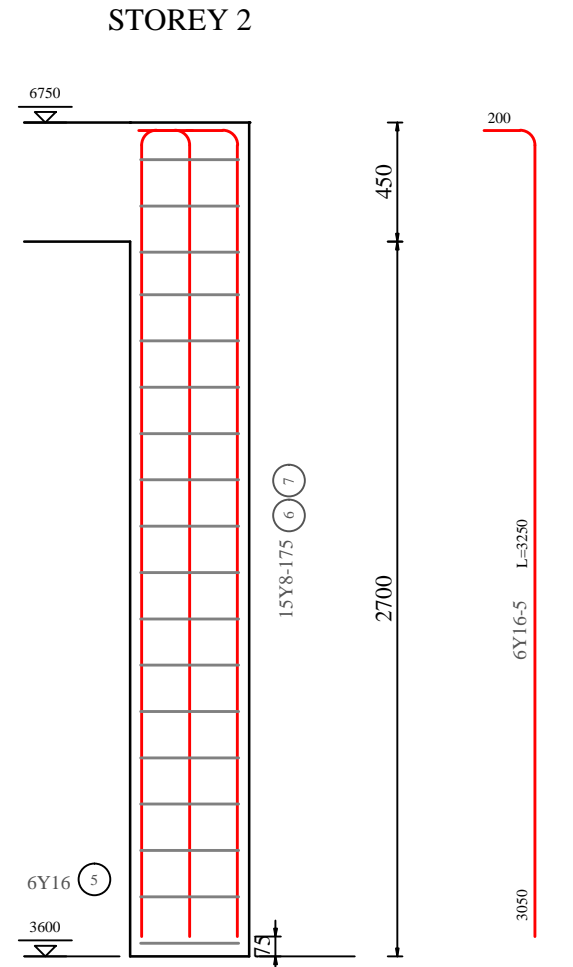
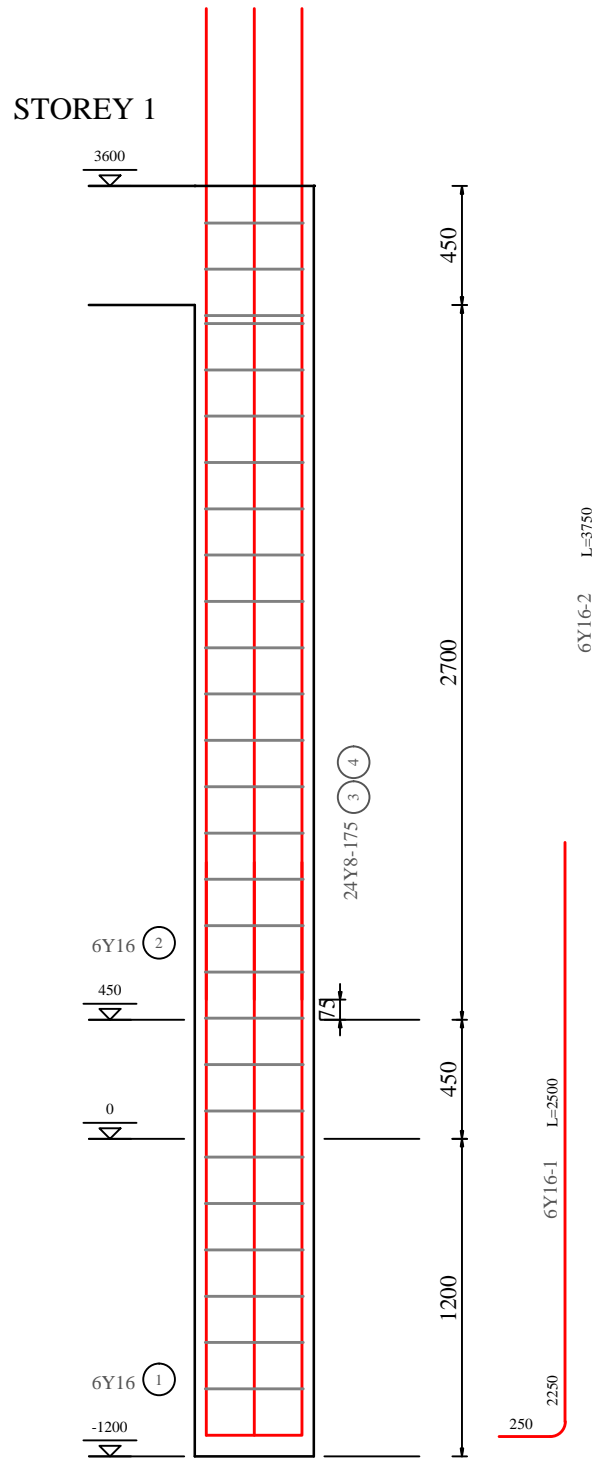
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Sheet No:

Date: SEPTEMBER, 2022

ST/D1

NOS.	DATE	INITIAL	REVISION



COLUMN DETAILS

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

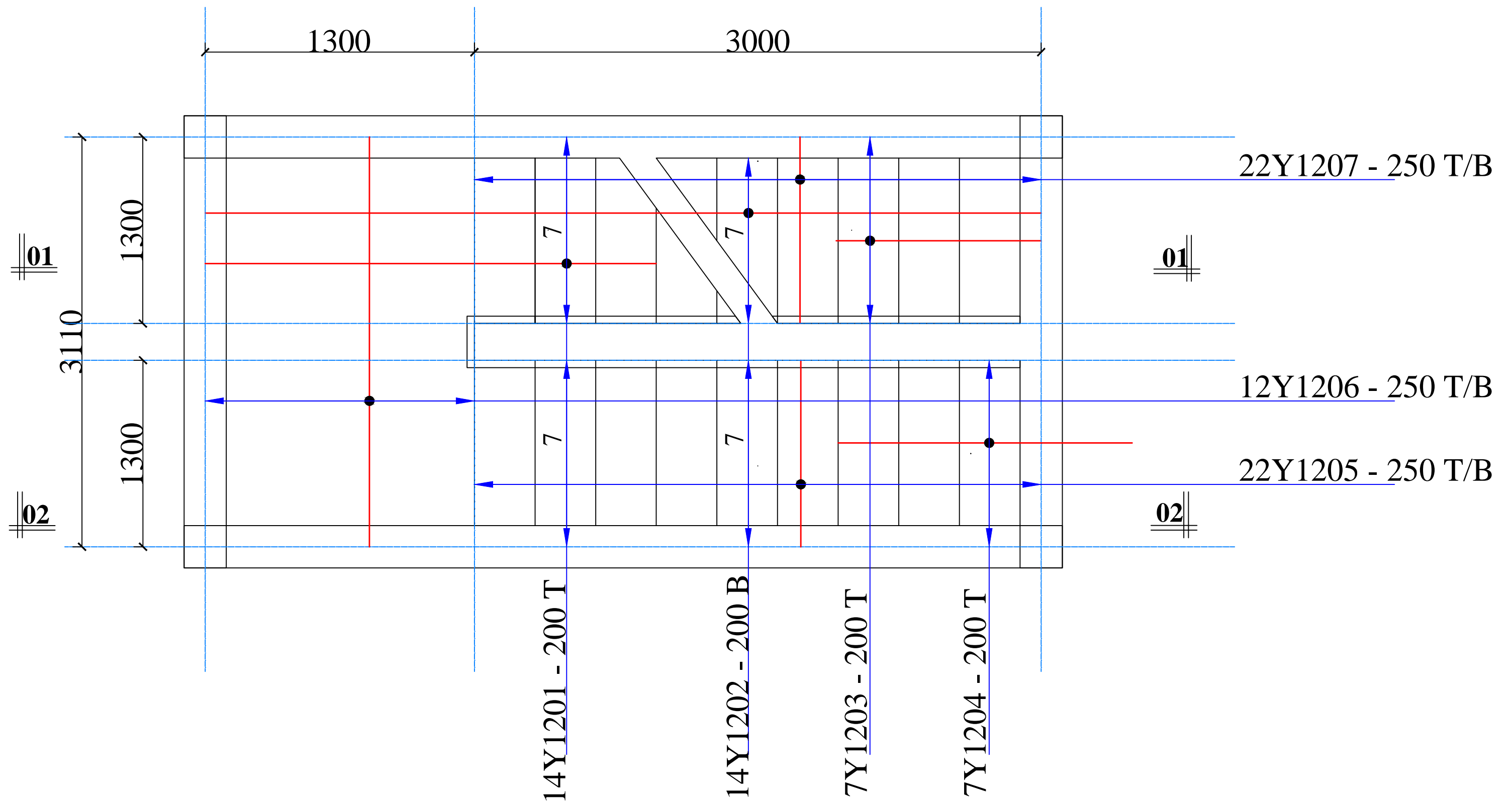
Engineers:
FN & ASSOCIATES LTD.
 SUITE 23B HAMISU ABBA PLAZA,
 MAIDUGURI RD., TARAUNI, KANO

Client: AHMADU BELLO UNIVERSITY, ZARIA
Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA
Contents: COLUMN DETAILS

Designed: MLS
Drawn: MLS
Checked: HSL
Date: SEPTEMBER, 2022

Scale: NTS
Job No:
Sheet No: **ST/D2**



STAIRCASE DETAILS

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

FN & ASSOCIATES LTD.
SUITE 23B HAMISU ABBA PLAZA,
MAIDUGURI RD., TARAUNI, KANO

Client:

AHMADU BELLO UNIVERSITY, ZARIA

Project:

PROPOSED FORENSIC LABORATORY

Location:

MAIN CAMPUS, A.B.U ZARIA

Contents:

STAIRCASE DETAILS

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

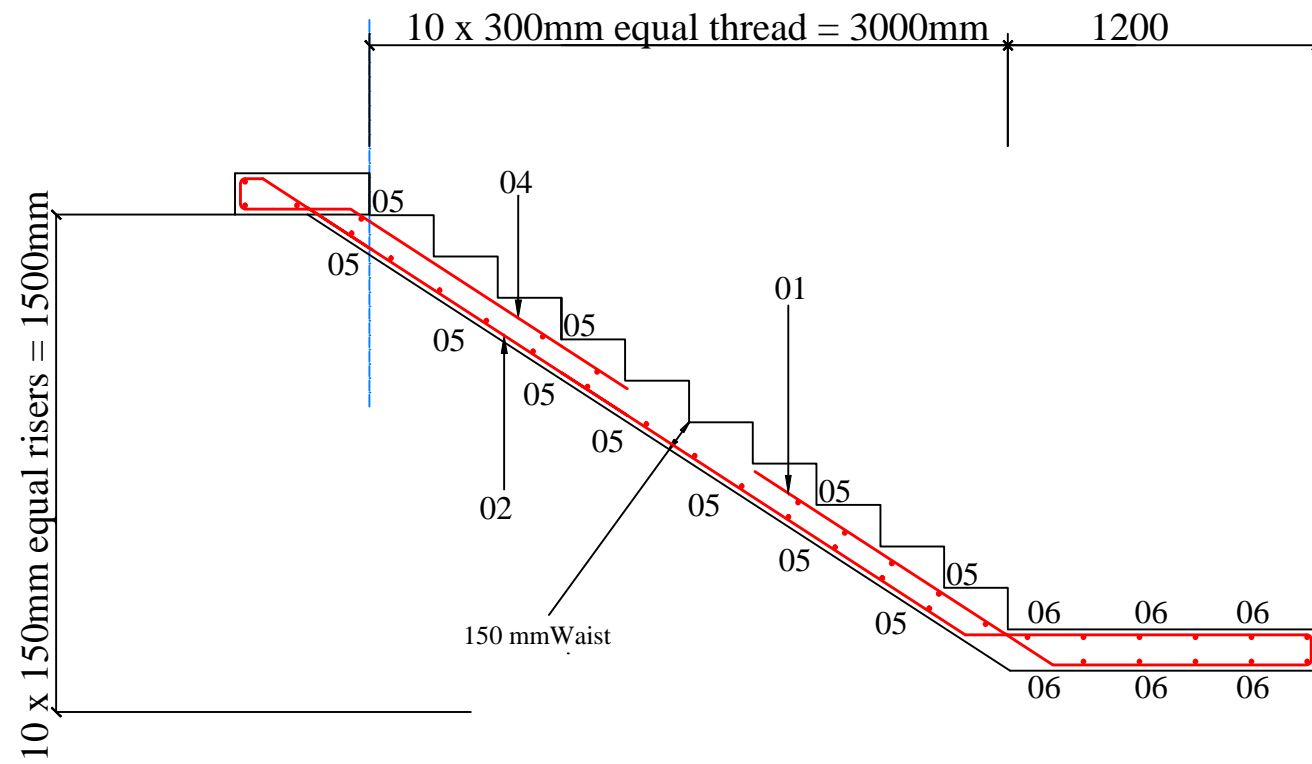
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Sheet No:

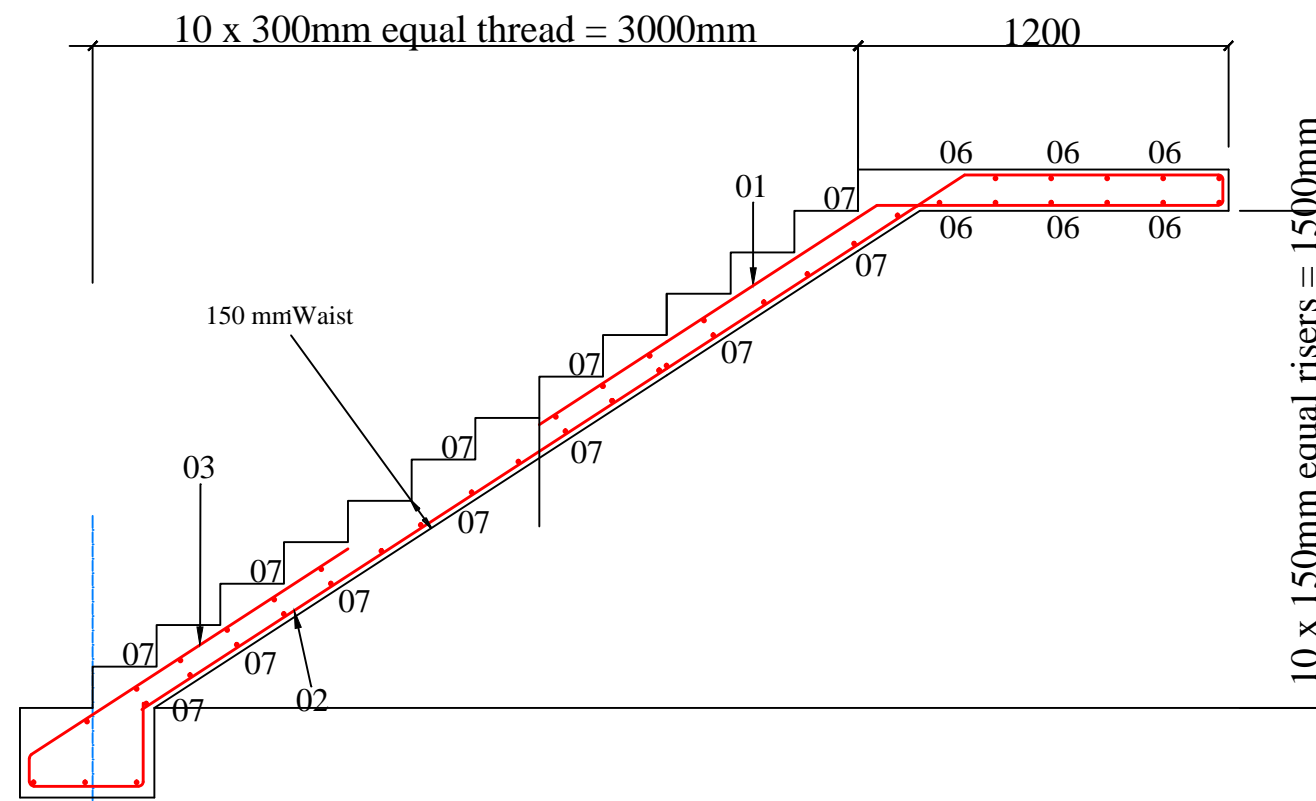
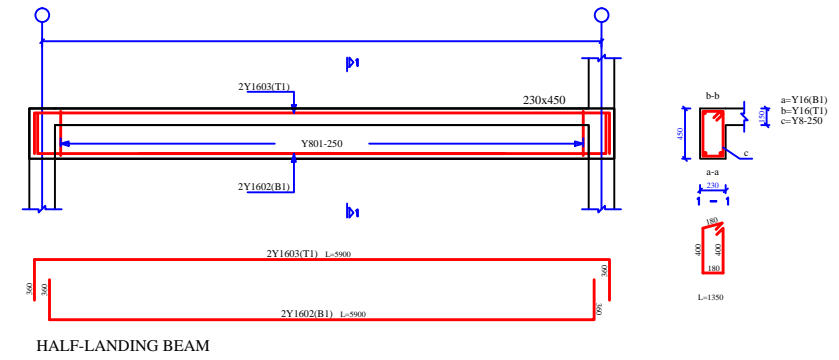
Date: SEPTEMBER, 2022

ST/E1

NOS.	DATE	INITIAL	REVISION



SECTION 02 - 02 (Flight 2)



SECTION 01 - 01 (Flight 1)

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

FN & ASSOCIATES LTD.
SUITE 23B HAMISU ABBA PLAZA,
MAIDUGURI RD., TARAUNI, KANO

Client:

AHMADU BELLO UNIVERSITY, ZARIA

Project:

PROPOSED FORENSIC LABORATORY

Location:

MAIN CAMPUS, A.B.U ZARIA

Contents:

STAIRCASE DETAILS

Designed: MLS

Scale: NTS

Drawn: MLS

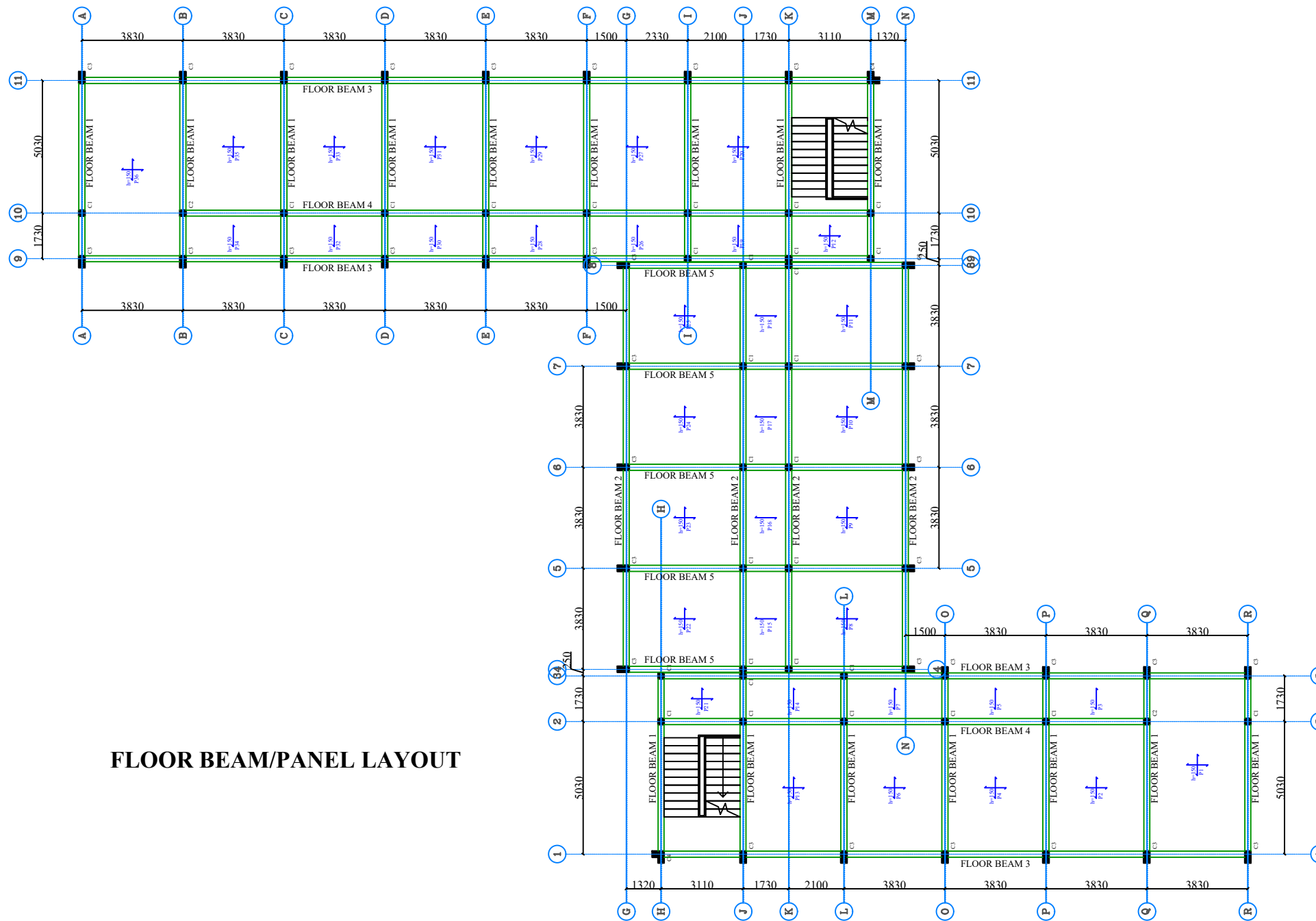
Job No:

Checked: HSL

Sheet No:

Date: SEPTEMBER, 2022

ST/E2



FLOOR BEAM/PANEL LAYOUT

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

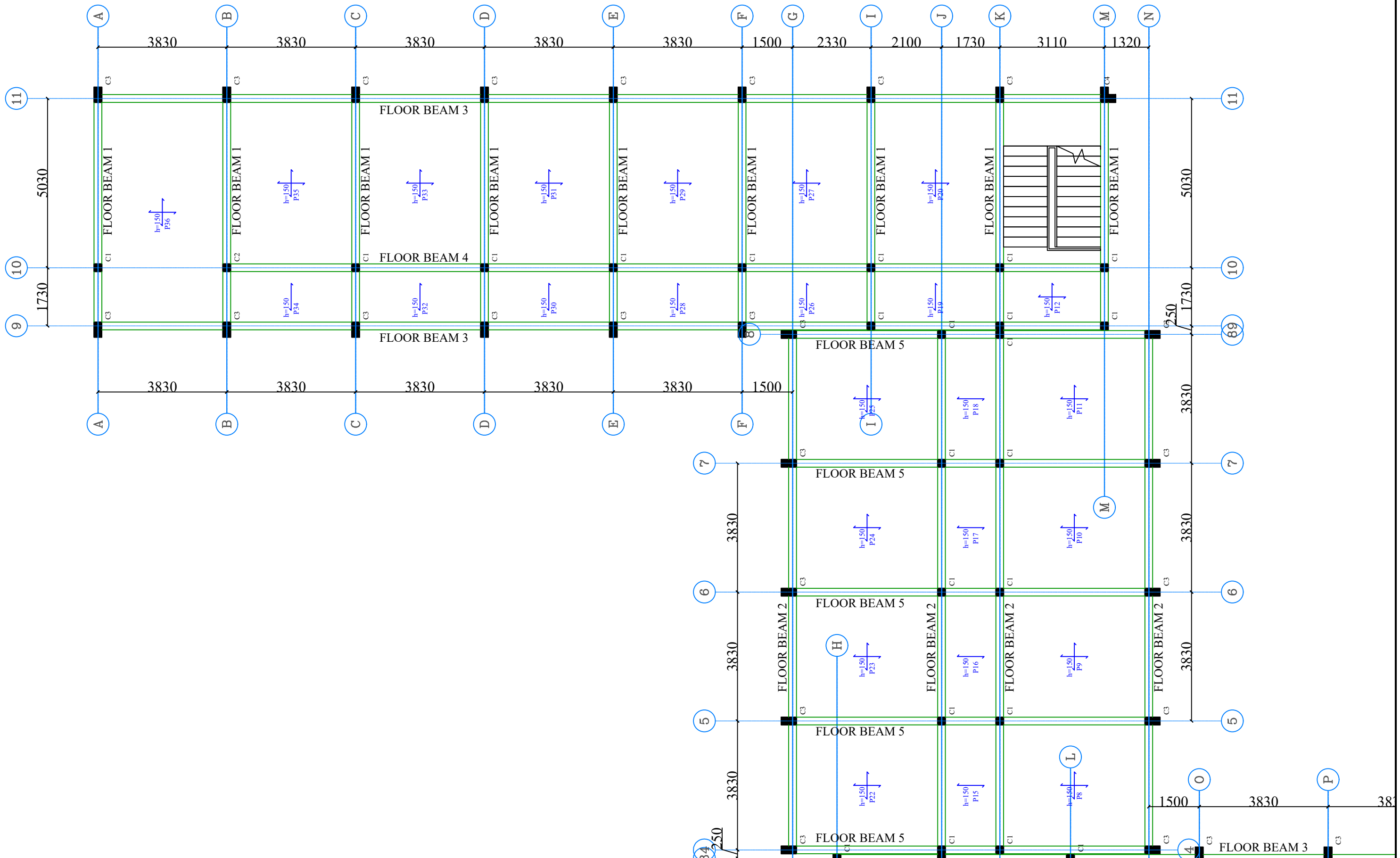
Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA
Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA
Contents: BEAM/PANEL LAYOUT

Designed: MLS
Drawn: MLS
Checked: HSL
Date: SEPTEMBER, 2022

Scale: NTS
Job No:
Sheet No: ST/F1



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

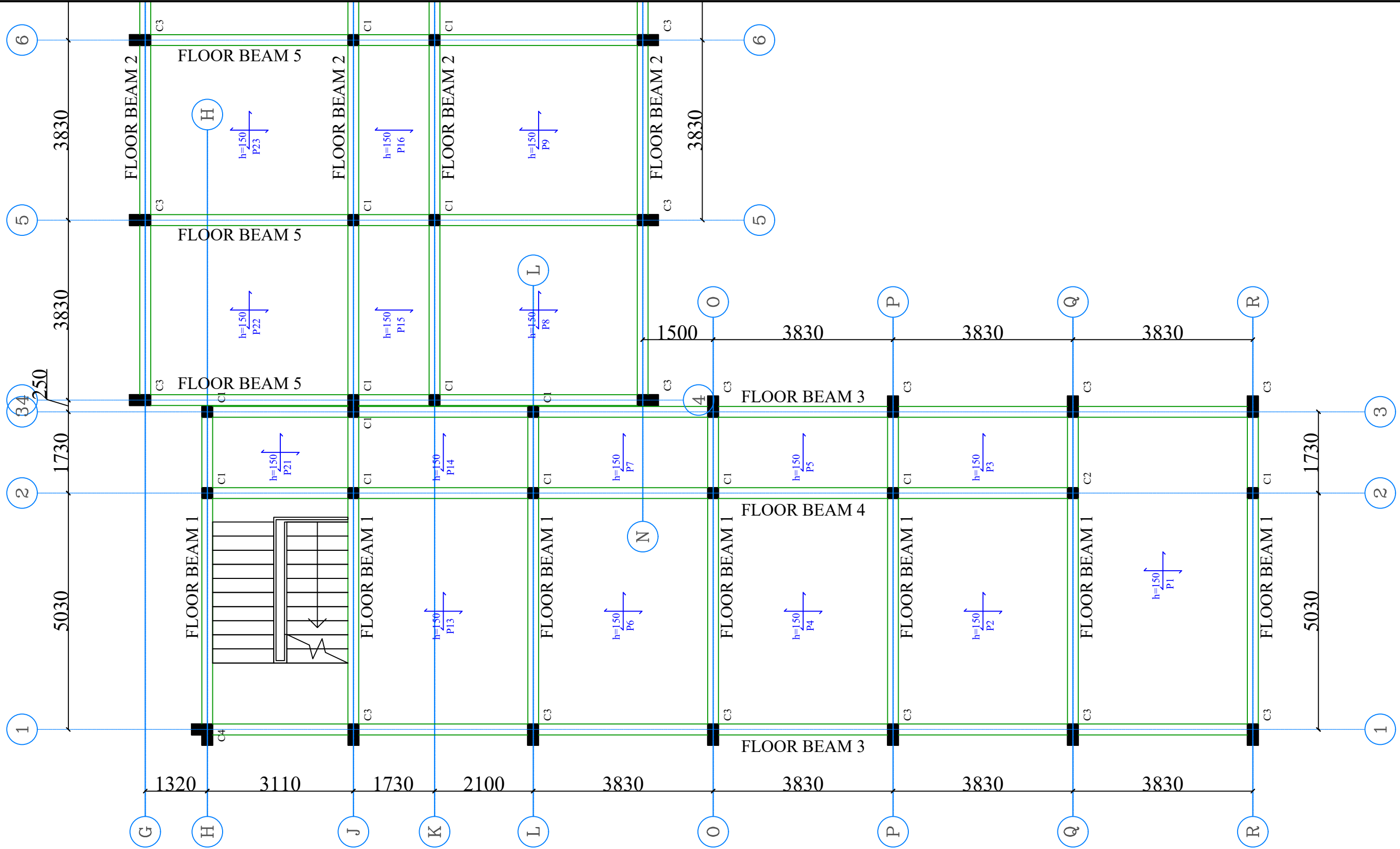
Client: AHMADU BELLO UNIVERSITY, ZARIA

Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA

Contents: BEAM/PANEL LAYOUT

Designed: MLS	Scale: NTS
Drawn: MLS	Job No:
Checked: HSL	Sheet No:
Date: SEPTEMBER, 2022	ST/F2



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

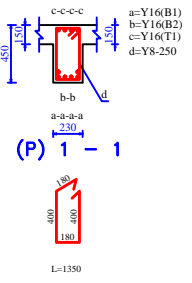
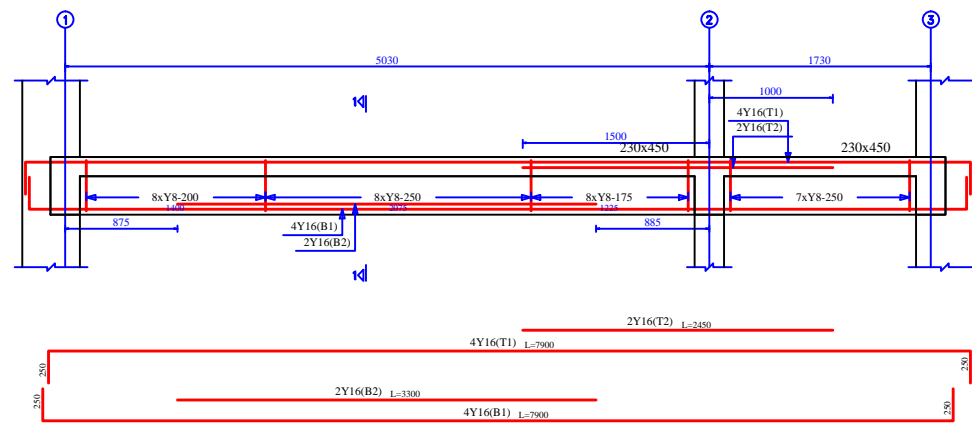
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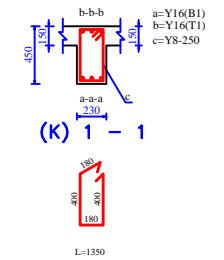
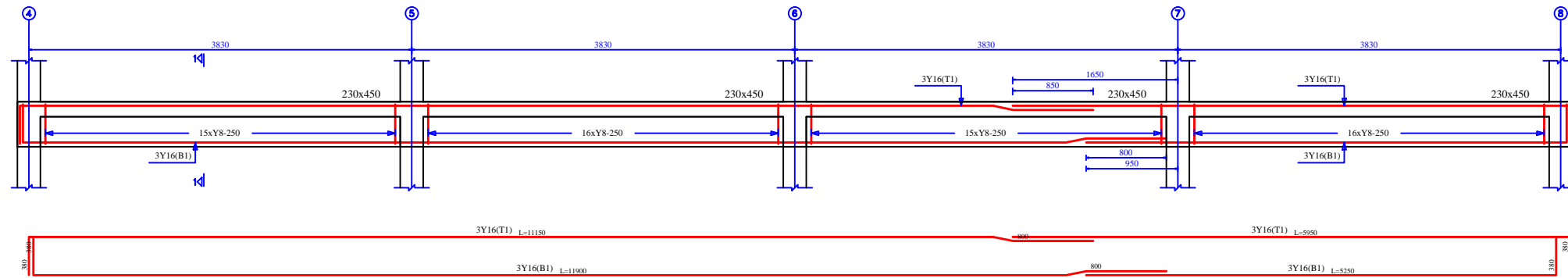
Date: SEPTEMBER, 2022

ST/F3

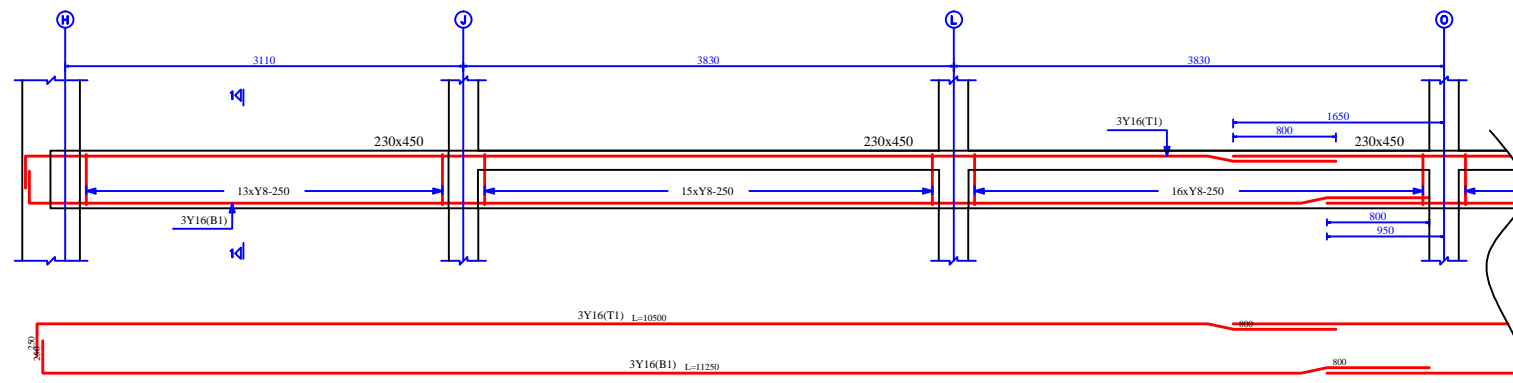
NOS.	DATE	INITIAL	REVISION



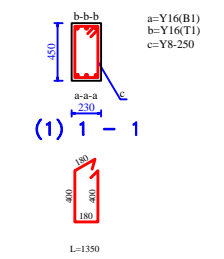
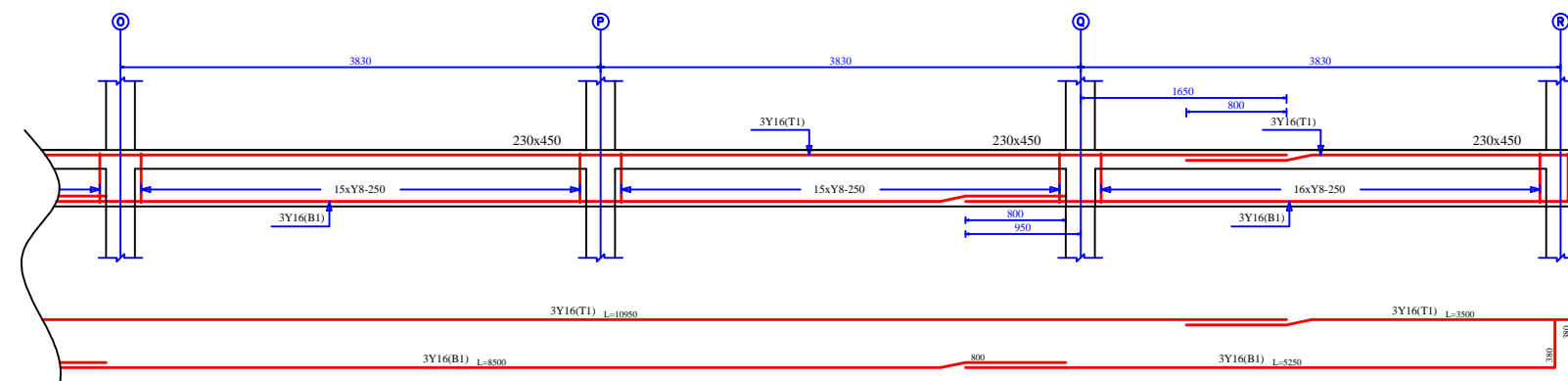
FLOOR BEAM 1 (16 Nos.)



FLOOR BEAM 2 (4 Nos.)



FLOOR BEAM 3 (4 Nos.)



FLOOR BEAM 3 (4 Nos.)

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

FN & ASSOCIATES LTD.
SUITE 23B HAMISU ABBA PLAZA,
MAIDUGURI RD., TARAUNI, KANO

Client: **AHMADU BELLO UNIVERSITY, ZARIA**

Project: **PROPOSED FORENSIC LABORATORY**

Location: **MAIN CAMPUS, A.B.U ZARIA**

Contents: **FLOOR BEAM DETAILS**

Designed: **MLS**

Scale: **NTS**

Drawn: **MLS**

Job No:

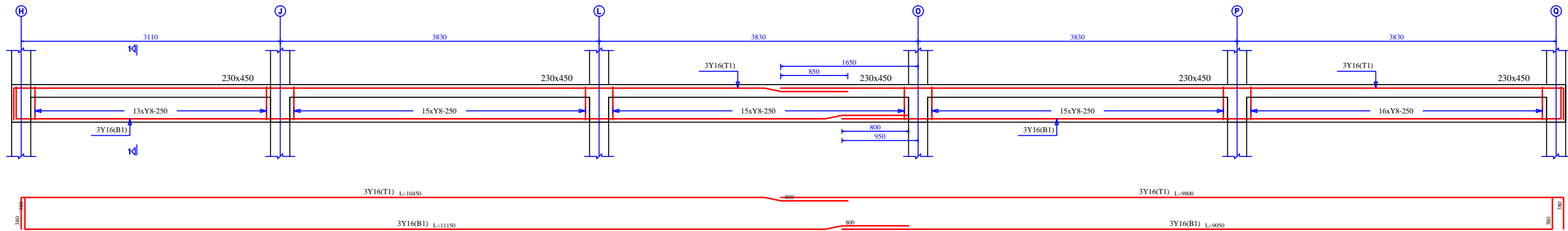
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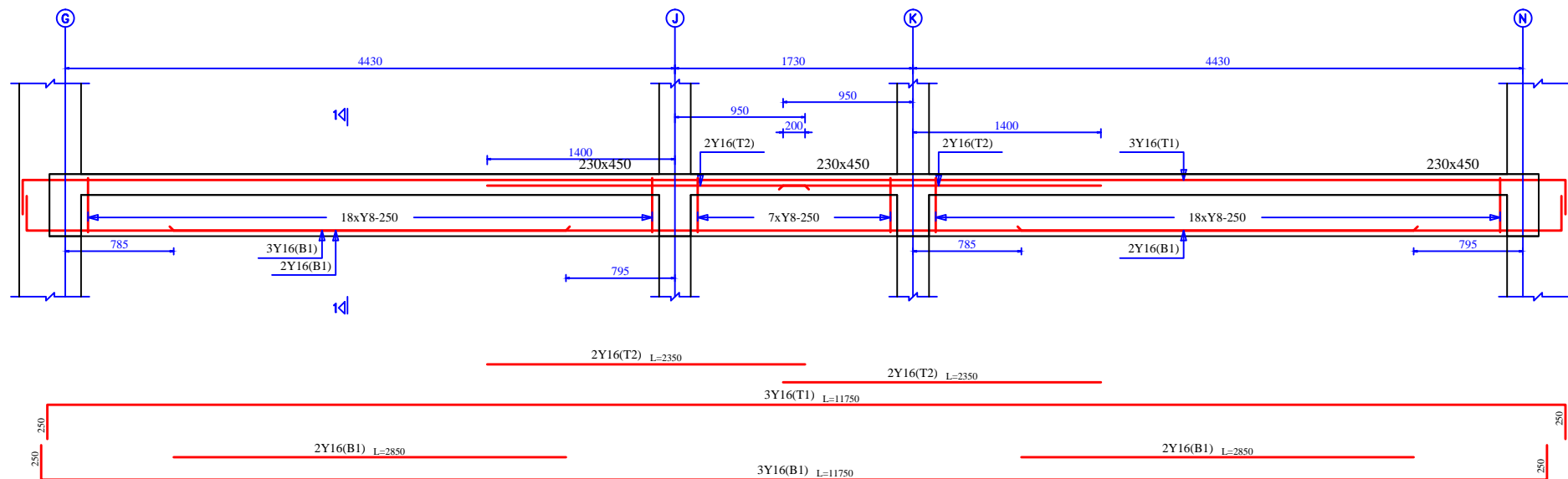
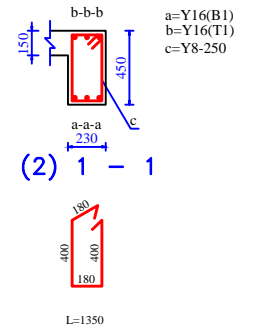
Date: **SEPTEMBER, 2022**

ST/G1

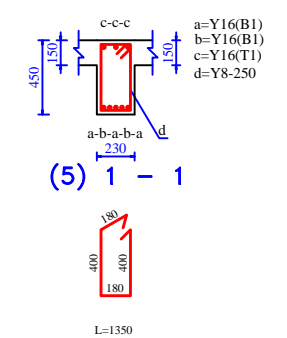
NOS.	DATE	INITIAL	REVISION



FLOOR BEAM 4 (2 Nos.)



FLOOR BEAM 5 (5 Nos.)



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

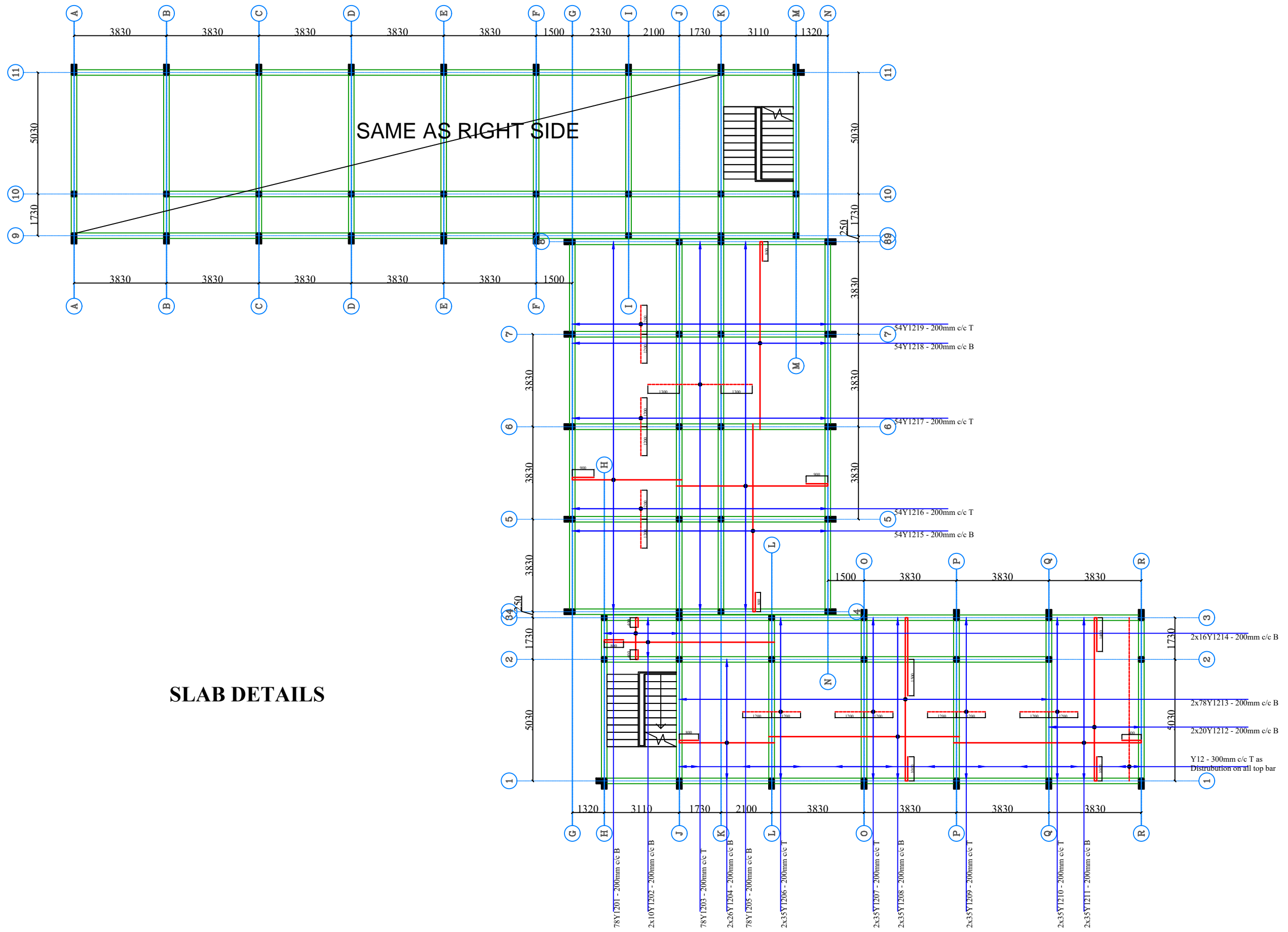
NOS.	DATE	INITIAL	REVISION

Engineers:
FN & ASSOCIATES LTD.
 SUITE 23B HAMISU ABBA PLAZA,
 MAIDUGURI RD., TARAUNI, KANO

Client: AHMADU BELLO UNIVERSITY, ZARIA
Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA
Contents:

Designed: MLS	Scale: NTS
Drawn: MLS	Job No:
Checked: HSL	Sheet No:
Date: SEPTEMBER, 2022	ST/G2



SLAB DETAILS

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

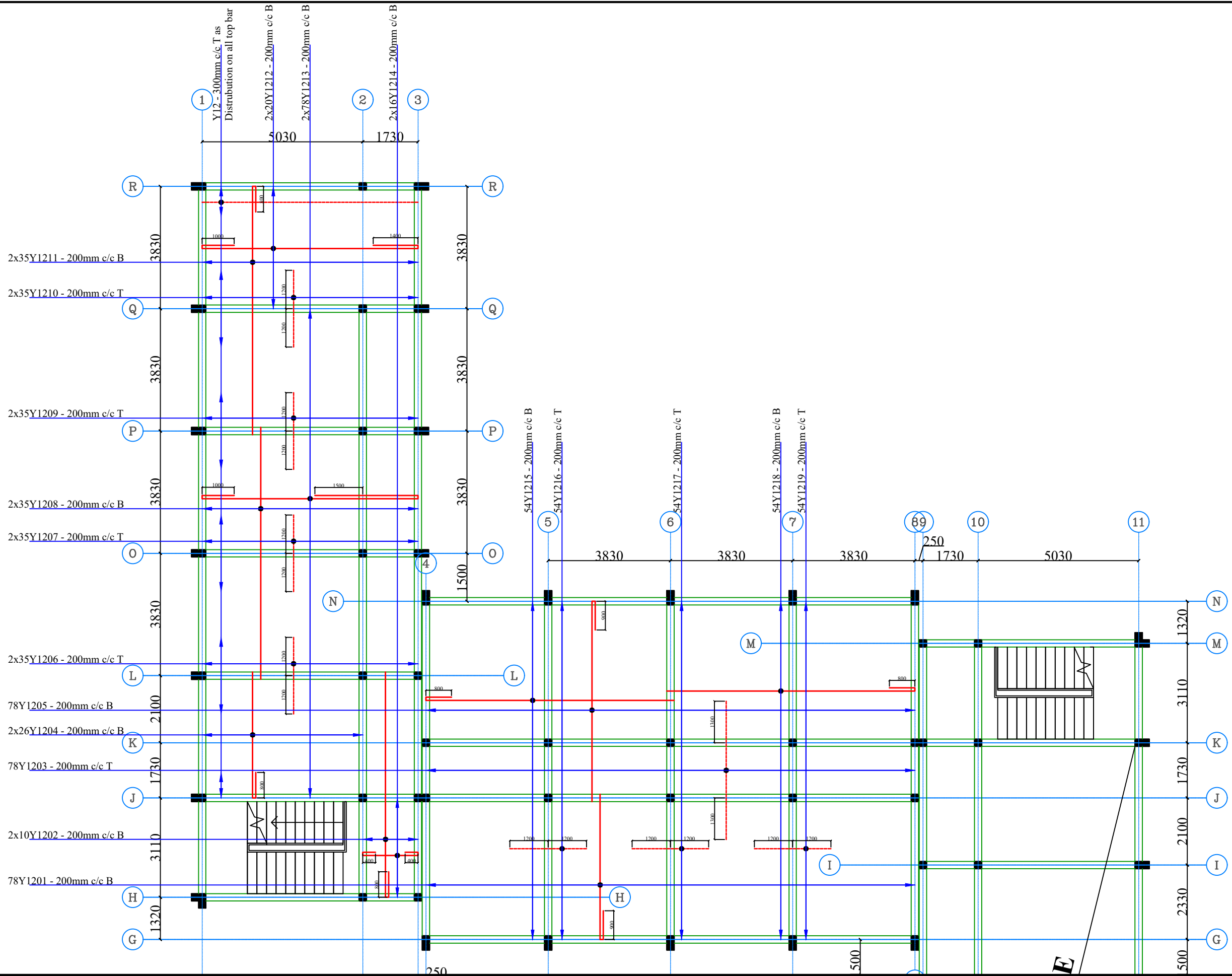
Client: AHMADU BELLO UNIVERSITY, ZARIA

Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA

Contents: SLAB DETAILS

Designed: MLS	Scale: NTS
Drawn: MLS	Job No:
Checked: HSL	Sheet No:
Date: SEPTEMBER, 2022	ST/H1



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

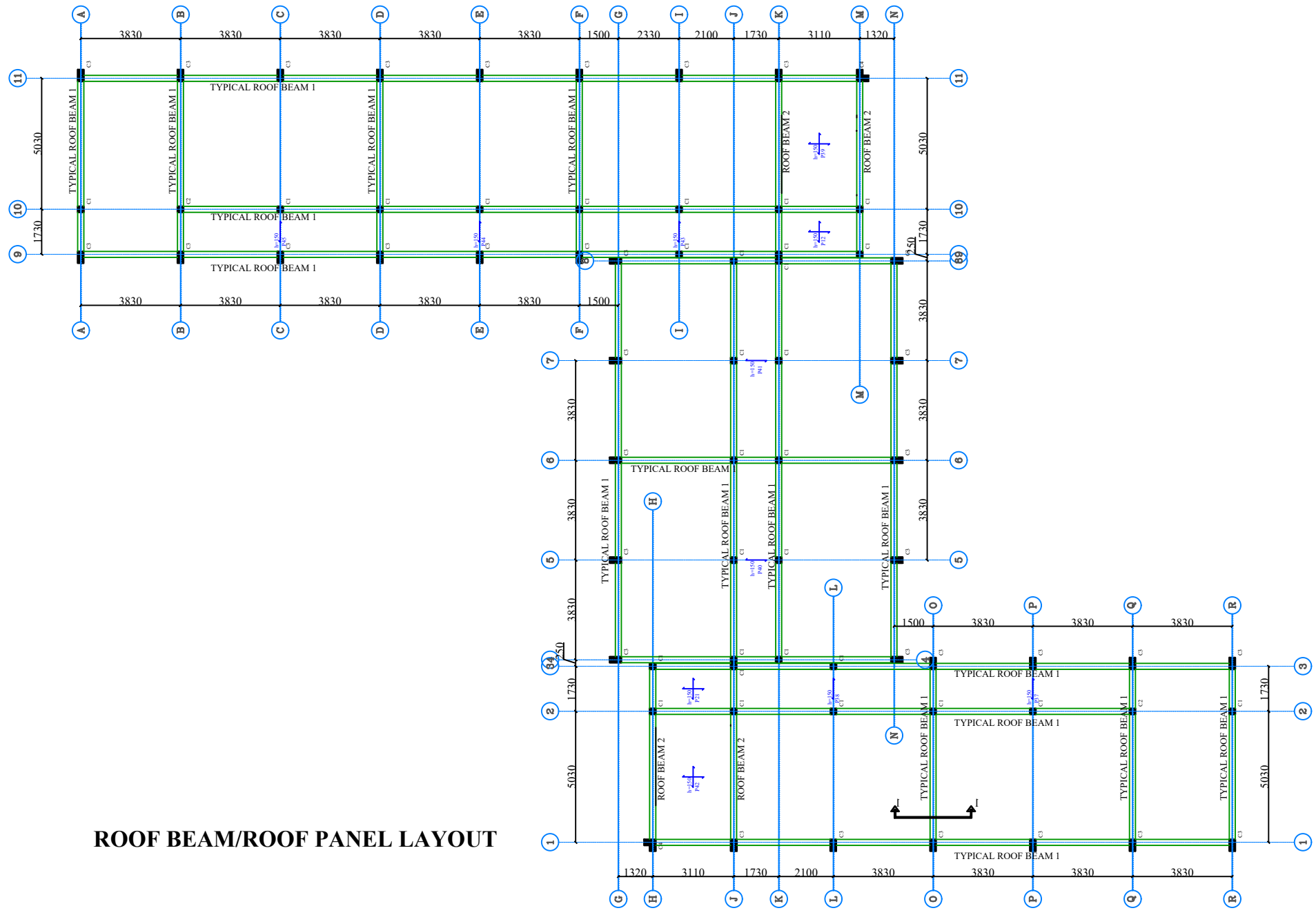
Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA
Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA
Contents: SLAB DETAILS

Designed: MLS
Drawn: MLS
Checked: HSL
Date: SEPTEMBER, 2022

Scale: NTS
Job No:
Sheet No: ST/H2



ROOF BEAM/ROOF PANEL LAYOUT

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Project: PROPOSED FORENSIC LABORATORY

Contents: ROOF BEAM LAYOUT

Drawn: MLS

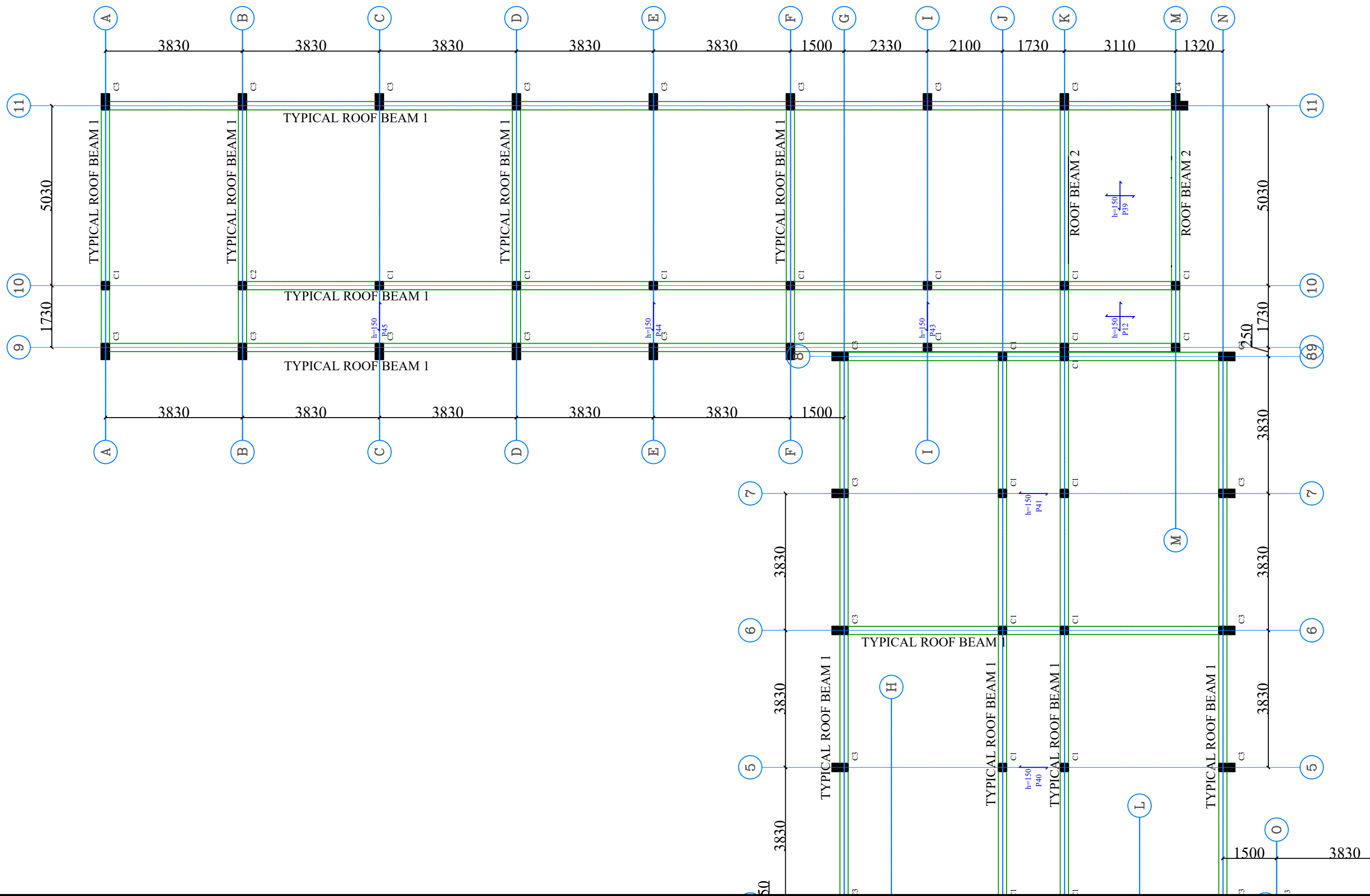
Job No:

Checked: HSL

Sheet No:

Date: SEPTEMBER, 2022

ST/J1



NOTES			
ALL DIMENSIONS ARE IN MILLIMETERS			
NOS.	DATE	INITIAL	REVISION

Engineers:

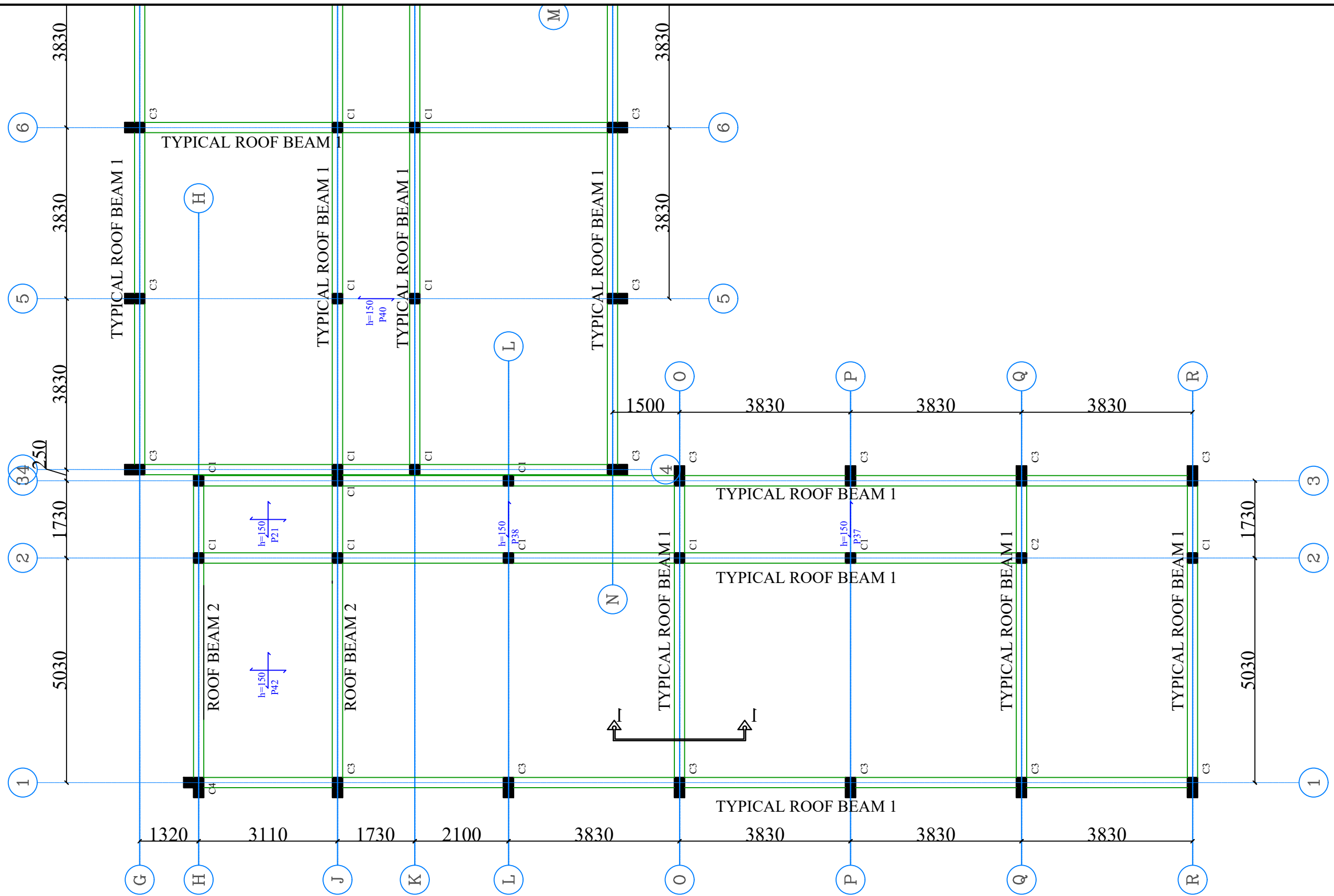
Client: AHMADU BELLO UNIVERSITY, ZARIA

Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA

Contents: ROOF BEAM LAYOUT

Designed: MLS	Scale: NTS
Drawn: MLS	Job No:
Checked: HSL	Sheet No:
Date: SEPTEMBER, 2022	ST/J2



ROOF BEAM/ROOF PANEL LAYOUT

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Project: PROPOSED FORENSIC LABORATORY

Contents: ROOF BEAM LAYOUT

Drawn: MLS

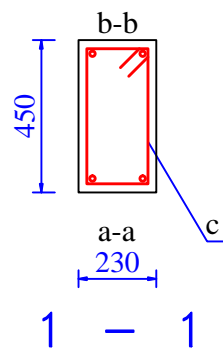
Job No:

Checked: HSL

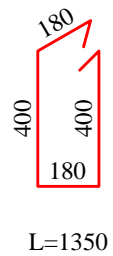
Sheet No:

Date: SEPTEMBER, 2022

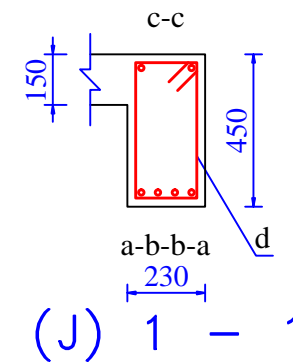
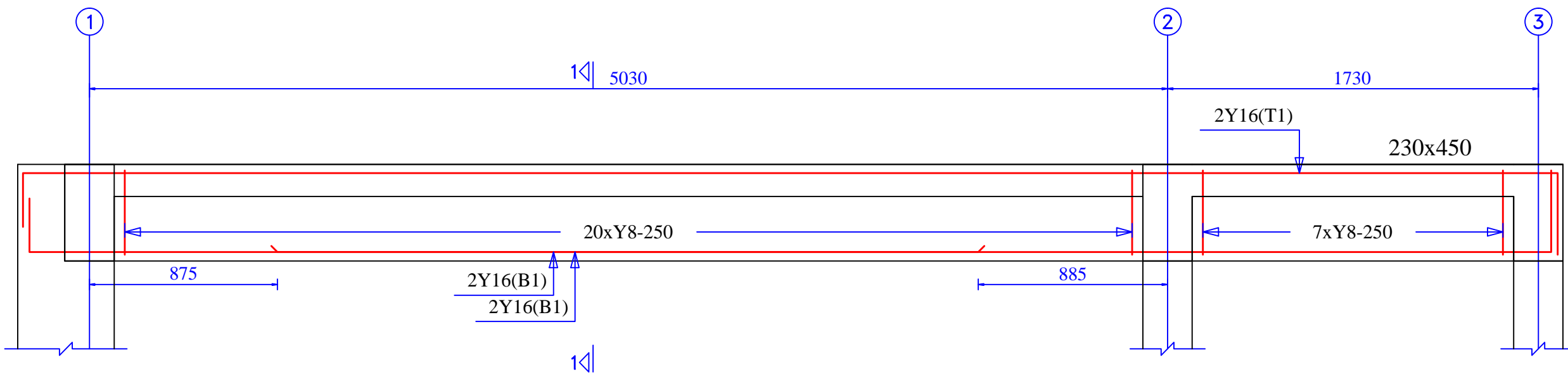
ST/J3



a=Y16(B1)
b=Y16(T1)
c=Y8-250

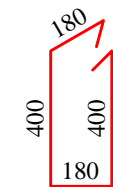


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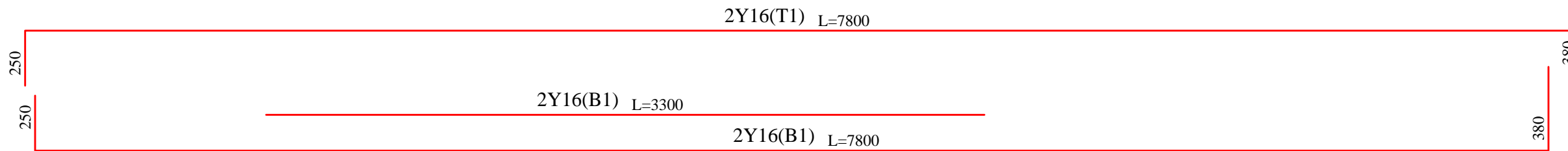


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b=Y16(B1)
c=Y16(T1)
d=Y8-250

(J) 1 - 1



L=1350



ROOF BEAM 2 (4 Nos.)

ROOF BEAM DETAILS

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

Engineers:

FN & ASSOCIATES LTD.
SUITE 23B HAMISU ABBA PLAZA,
MAIDUGURI RD., TARAUNI, KANO

Client:

AHMADU BELLO UNIVERSITY, ZARIA

Location:

MAIN CAMPUS, A.B.U ZARIA

Project:

PROPOSED FORENSIC LABORATORY

Contents:

ROOF DETAILS

Designed: MLS

Scale: NTS

Drawn: MLS

Job No:

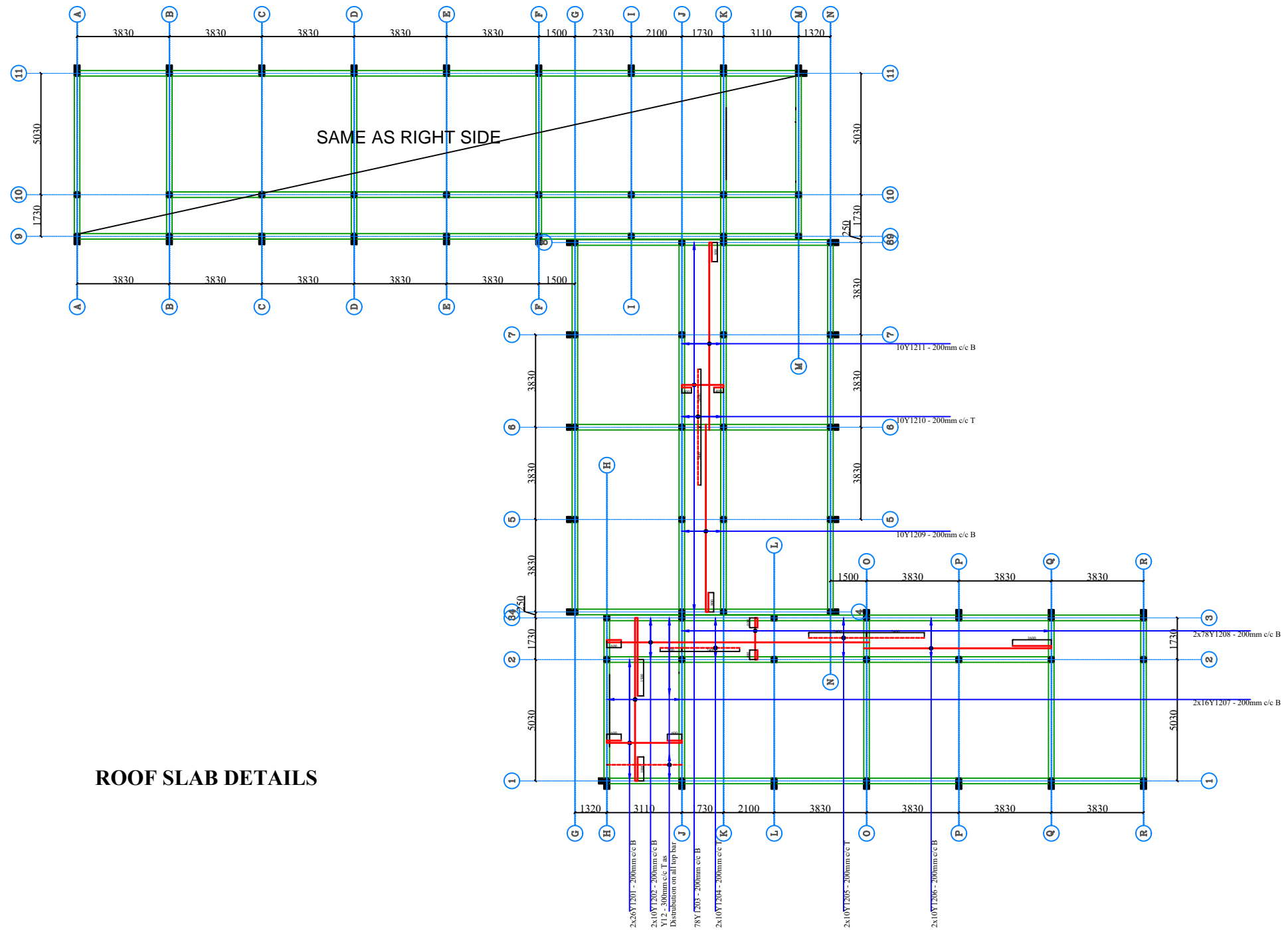
Checked: HSL

Sheet No:

Date: SEPTEMBER, 2022

ST/K1

NOS.	DATE	INITIAL	REVISION



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA

Location: MAIN CAMPUS, A.B.U ZARIA

Designed: MLS

Scale: NTS

Project: PROPOSED FORENSIC LABORATORY

Contents: ROOF DETAILS

Drawn: MLS

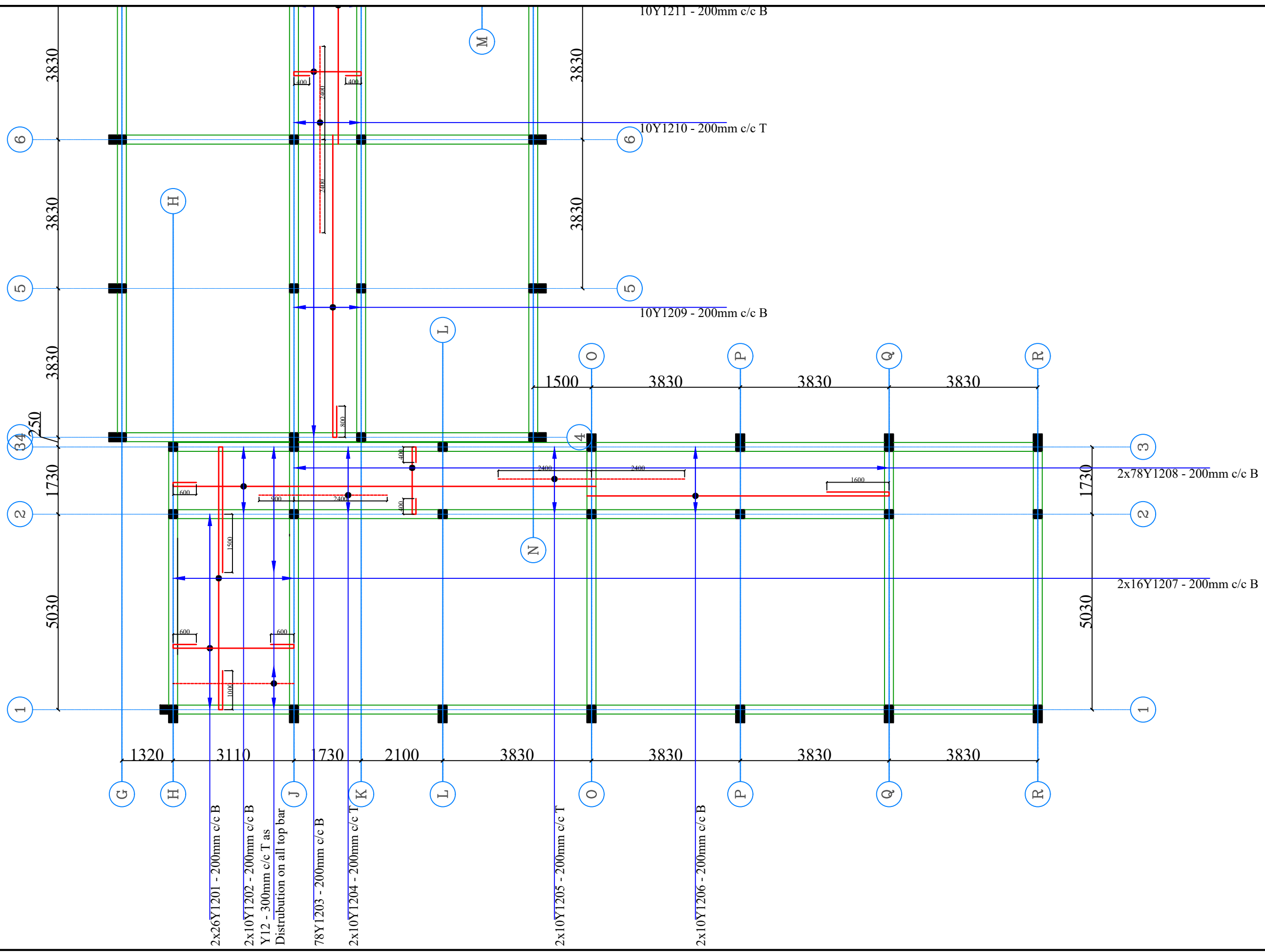
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Checked: HSL

Date: SEPTEMBER, 2022

Sheet No:

ST/K2



NOTES

ALL DIMENSIONS ARE IN MILLIMETERS

NOS.	DATE	INITIAL	REVISION

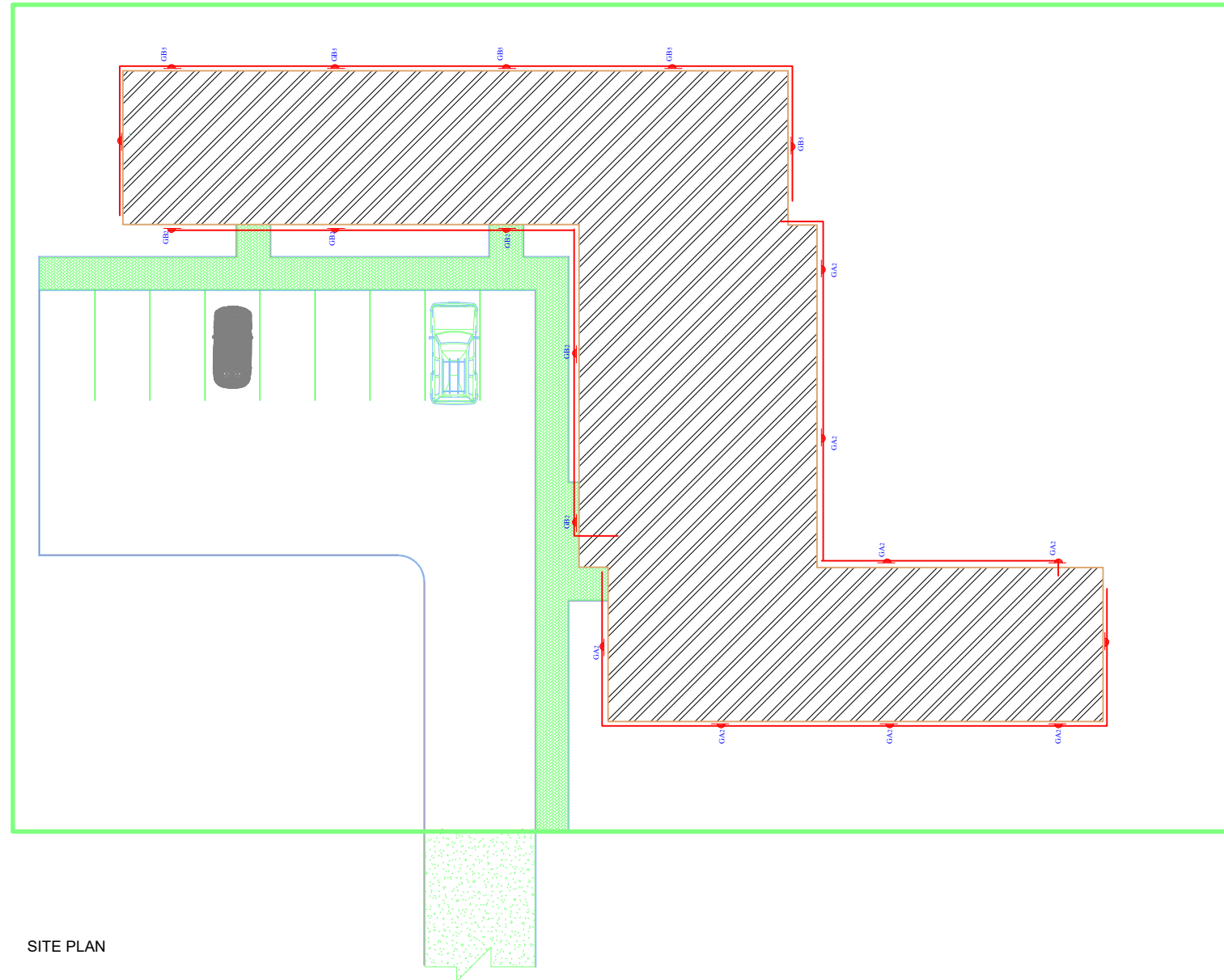
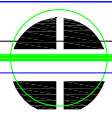
Engineers:

Client: AHMADU BELLO UNIVERSITY, ZARIA
Project: PROPOSED FORENSIC LABORATORY

Location: MAIN CAMPUS, A.B.U ZARIA
Contents: ROOF DETAILS

Designed: MLS	Scale: NTS
Drawn: MLS	Job No:
Checked: HSL	Sheet No:
Date: SEPTEMBER, 2022	ST/K3

E L E C T R I C A L D R A W I N G S



SITE PLAN

CLIENT

**AFRICA CENTRE OF EXCELLENCE FOR
NEGLECTED TROPICAL DISEASES AND FORENSIC
BIOTECHNOLGY, ABU, ZARIA.**

CONSULTANT

**STADMANH INTEGRATED
CONSULTANCY SERVICES LIMITED**

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

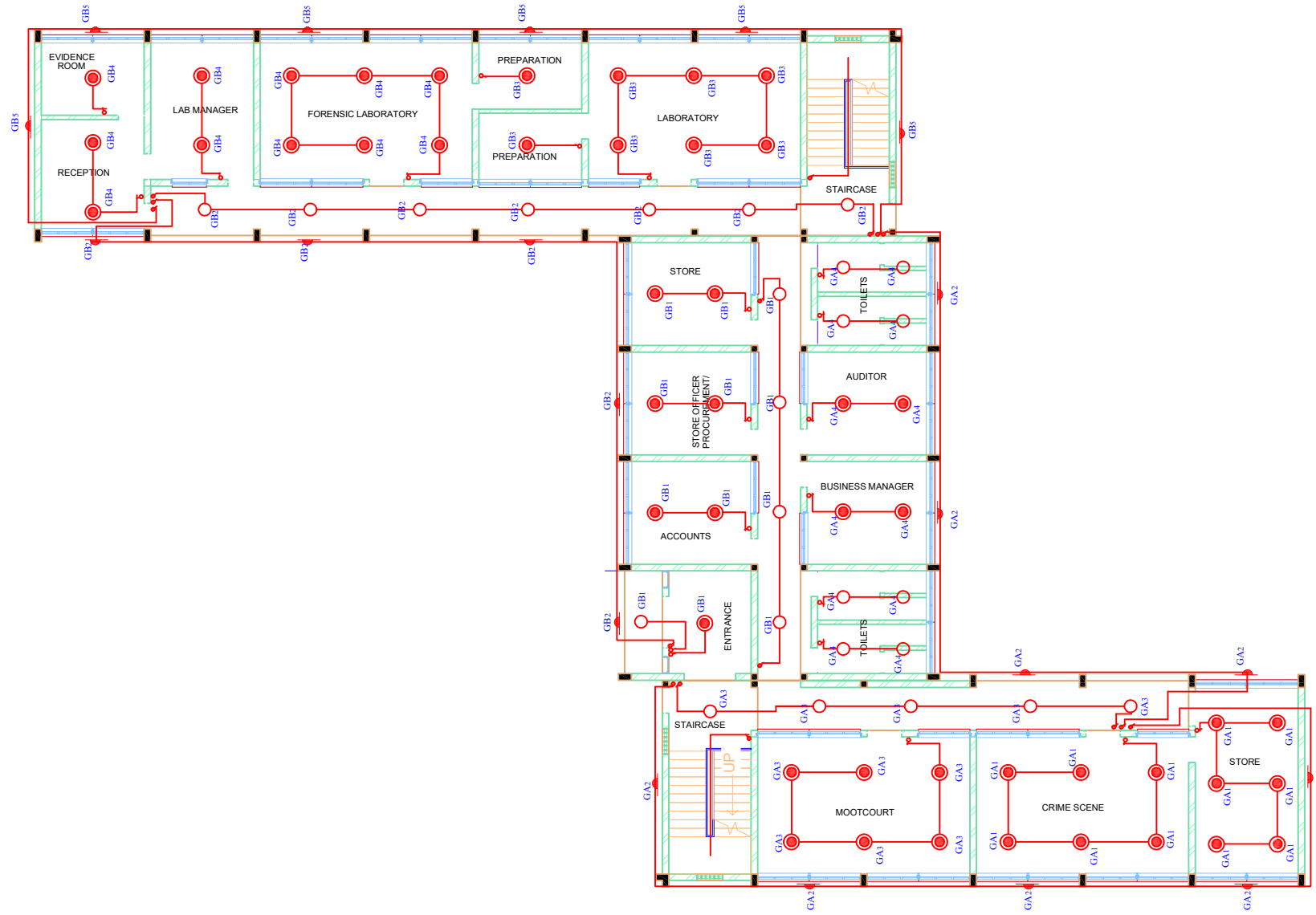
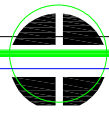
SEPTEMBER, 2022

NOTES

SHEET NO.

EWD

01



GROUND FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLGY, ABU, ZARIA.

CONSULTANT: **STADMANH INTEGRATED
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NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

SEPTEMBER, 2022

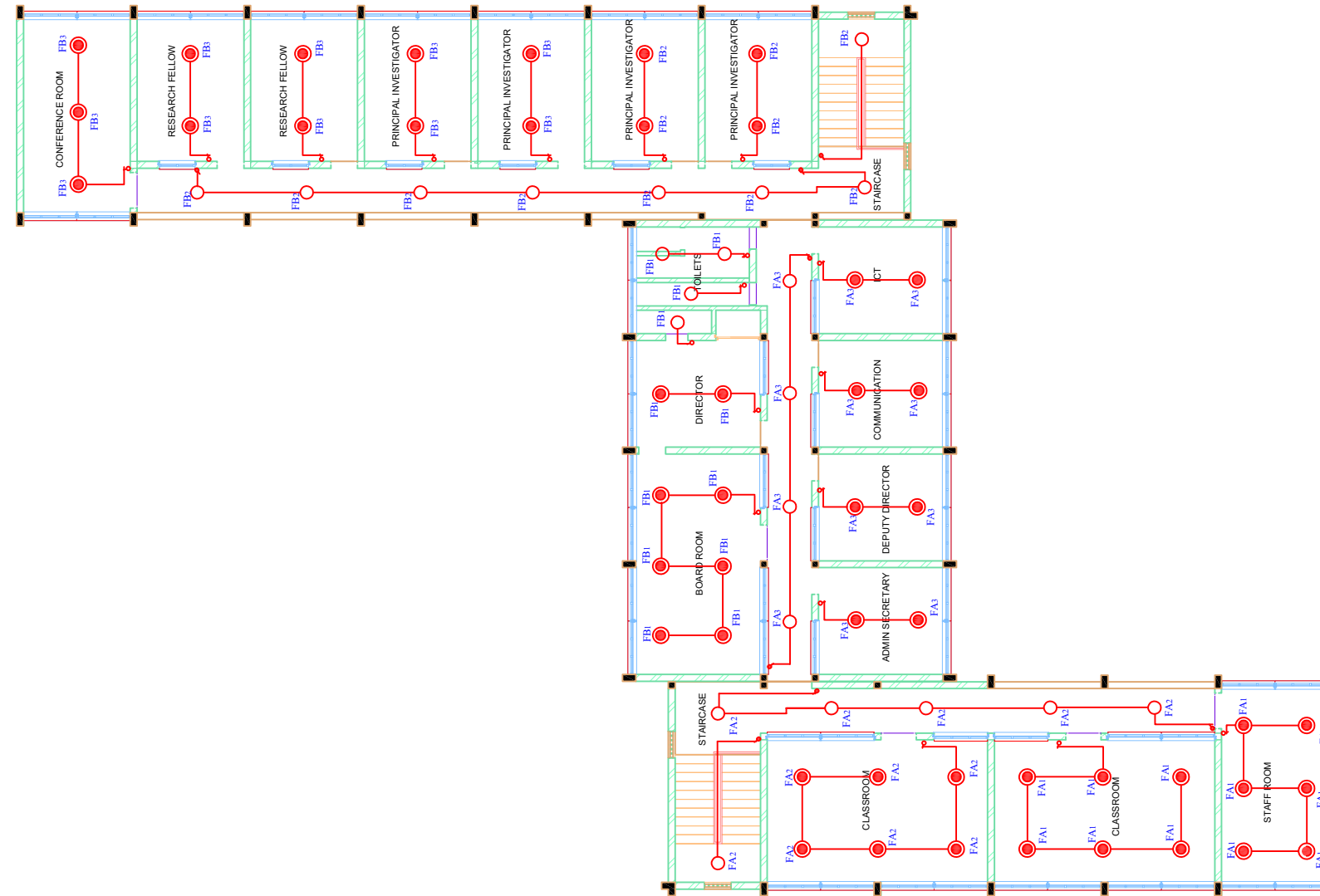
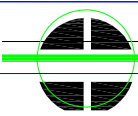
NOTES

GA1=12
GA2=9
GA3=11
GA4=12
GB1=12
GB2=12
GB3=8
GB4=11
GB5=6

SHEET NO.

EWD

02



FIRST FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLOGY, ABU, ZARIA.

CONSULTANT

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

SEPTEMBER, 2022

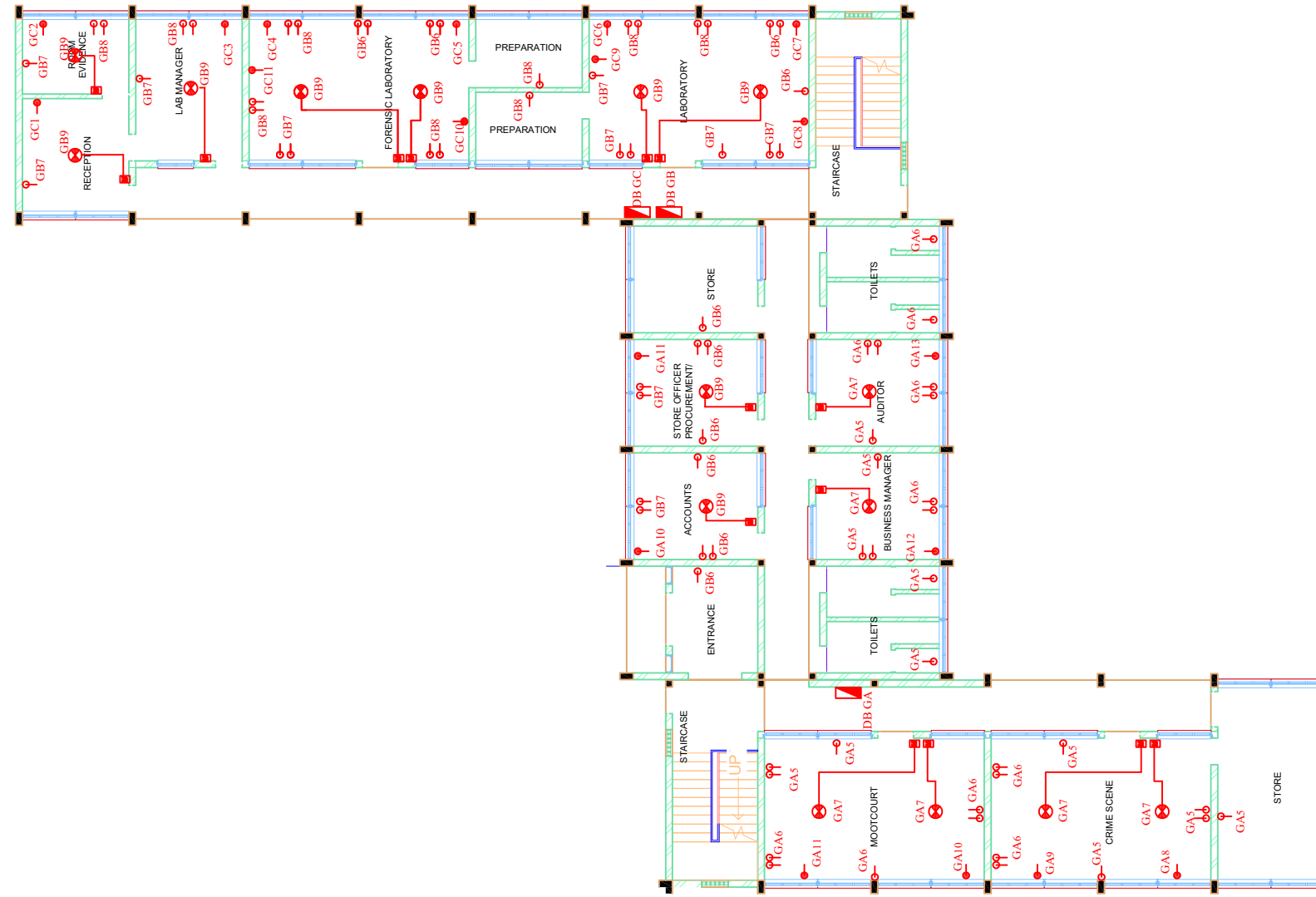
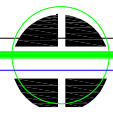
NOTES

FA1 = 12
FA2 = 12
FA3 = 12
FB1 = 12
FB2 = 12
FB3 = 11

SHEET NO.

EWD

03



GROUND FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLGY, ABU, ZARIA.

CONSULTANT **STADMANH INTEGRATED
CONSULTANCY SERVICES LIMITED**

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NOTES

GA5 = 11assO
GA 6 = 11
GA 7 = 6 FAN
GA 8-13 AC

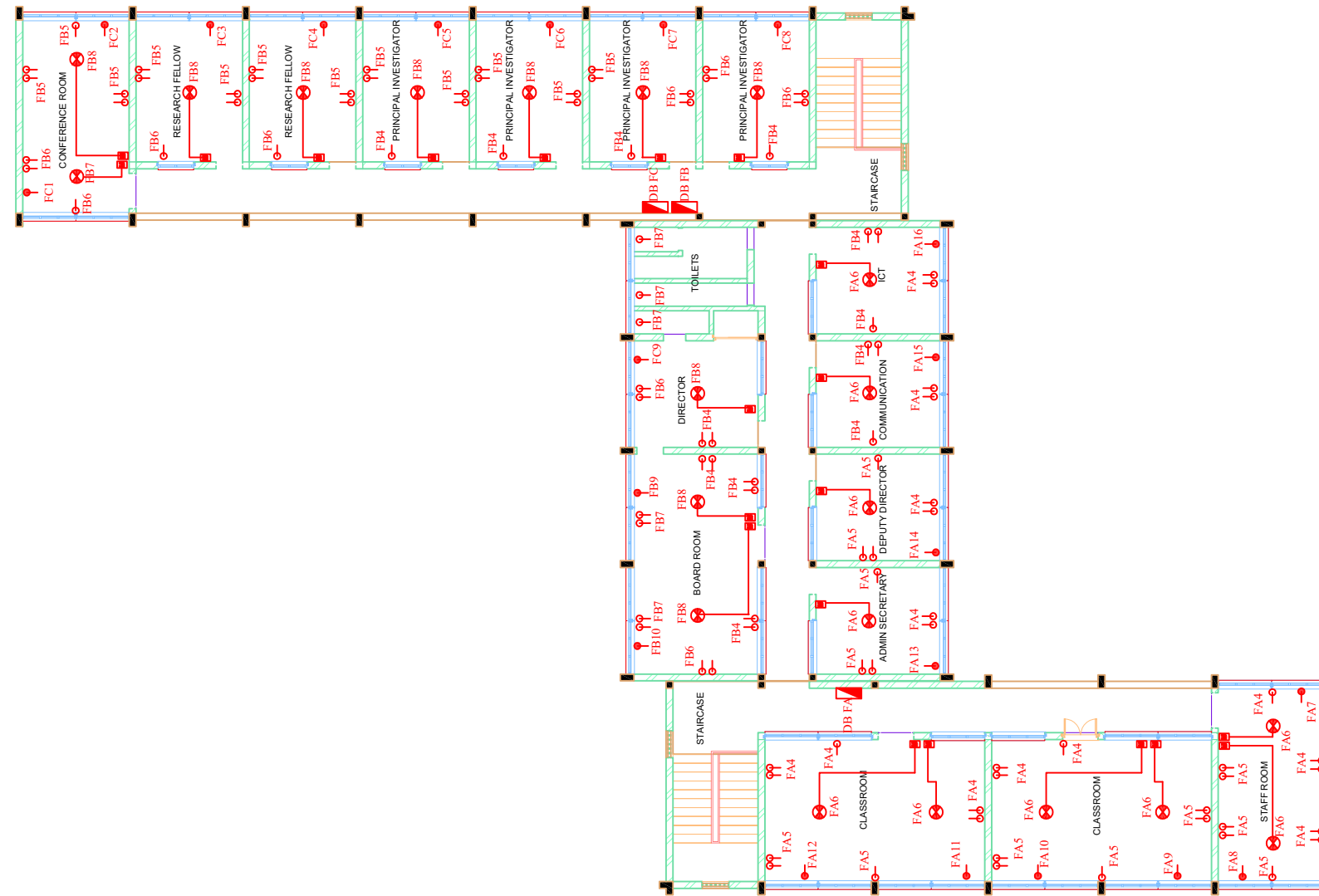
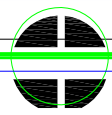
GB6-7 = 10ASSO
GB8 = 9ASSO
GB9 = 9 FAN
GB10-11 = AC

GC1-7=AC
GC8-11=15ASS

SHEET NO.

EWD

04



FIRST FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLOGY, ABU, ZARIA.

CONSULTANT:

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

SEPTEMBER, 2022

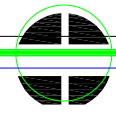
NOTES

- FA4-5=12ASSO
- FA6=10FAN
- FA7-16=AC
- FB4-5=12ASS
- FB6=9ASS
- FB7=6ASS
- FB8=11FAN
- FB9-10=AC
- FC1-9=AC

SHEET NO.

EWD

05



DISTRIBUTION BOARD GA - 6WAYS TPN

Circuit Label	Type	No. of Point	Rate (W)	Load (W)	Diversity x Load	Phase			Current (A)	Cable Size (mm ²)	Protection (A)
						R	Y	B			
GA1	Lighting	12	100	1200	792	792			1.91	1.5	5
GA2	Lighting	9	100	900	594	594			1.43	1.5	5
GA3	Lighting	11	100	1100	726			726	1.75	1.5	5
GA4	Lighting	12	100	1200	792		792		1.91	1.5	5
GA5	13ASSO	11	250	2750	2750			2750	6.63	2.5	30
GA6	13ASSO	11	250	2750	2750		2750		6.63	2.5	30
GA7	Fan	7	1750	1750	1750	1750			4.21	2.5	25
GA8	AC	1	2000	2000	2000		2000		4.82	4.0	30
GA9	AC	1	2000	2000	2000		2000		4.82	4.0	30
GA10	AC	1	2000	2000	2000	2000			4.82	4.0	30
GA11	AC	1	2000	2000	2000	2000			4.82	4.0	30
GA12	AC	1	2000	2000	2000			2000	4.82	4.0	30
GA13	AC	1	2000	2000	2000			2000	4.82	4.0	30
GA14	Spare	-	-	-	-				3.61	-	-
GA15	Spare	-	-	-	-				3.61	-	-
GA16	Spare	-	-	-	-				3.61	-	-
GA17	Spare	-	-	-	-				3.61	-	-
GA18	Spare	-	-	-	-				3.61	-	-
Total						7137	7542	7476	64.81		

GROUND FLOOR

DISTRIBUTION BOARD GB - 4WAYS TPN

Circuit Label	Type	No. of Point	Rate (W)	Load (W)	Diversity x Load	Phase			Current (A)	Cable Size (mm ²)	Protection (A)
						R	Y	B			
GB1	Lighting	12	100	1200	792		792		1.91	1.5	5
GB2	Lighting	12	100	1200	792	792			1.91	1.5	5
GB3	Lighting	8	100	800	528		528		1.27	1.5	5
GB4	Lighting	11	100	1100	726			726	1.75	1.5	5
GB5	Lighting	6	100	600	396	396			1.65	1.0	5
GB6	13ASSO	10	2500	2500	2500			2500	6.02	2.5	30
GB7	13ASSO	10	2500	2500	2500	2500			6.02	2.5	30
GB8	13ASSO	9	250	2250	2250		2250		5.42	2.5	30
GB9	Fan	9	250	2250	2250		2250		5.42	2.5	30
GB10	AC	1	2000	2000	2000	2000			4.82	4.0	30
GB11	AC	1	2000	2000	2000			2000	4.82	4.0	30
GB12	Spare	-	-	-	-				3.61	-	-
Total						5688	5820	5226	44.62		

DISTRIBUTION BOARD GC - 4WAYS TPN

Circuit Label	Type	No. of Point	Rate (W)	Load (W)	Diversity x Load	Phase			Current (A)	Cable Size (mm ²)	Protection (A)
						R	Y	B			
GC1	AC	1	2000	2000	2000		2000		4.82	4.0	30
GC2	AC	1	2000	2000	2000		2000		4.82	4.0	30
GC3	AC	1	2000	2000	2000	2000			4.82	4.0	30
GC4	AC	1	2000	2000	2000	2000			4.82	4.0	30
GC5	AC	1	2000	2000	2000			2000	4.82	4.0	30
GC6	AC	1	2000	2000	2000			2000	4.82	4.0	30
GC7	AC	1	2000	2000	2000	2000			4.82	4.0	30
GC8	15ASSO	1	1500	1500	1500		1500		3.61	2.5	25
GC9	15ASSO	1	1500	1500	1500			1500	3.61	2.5	25
GC10	15ASSO	1	1500	1500	1500		1500		3.61	2.5	25
GC11	15ASSO	1	1500	1500	1500			1500	3.61	2.5	25
GC12	Spare	-	-	-	-				3.61	-	-
Total						6000	7000	7000	51.79		

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLOGY, ABU, ZARIA.

CONSULTANT:

STADMANH INTEGRATED
CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

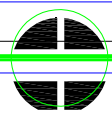
SEPTEMBER, 2022

NOTES

SHEET NO.

EWD

06



DISTRIBUTION BOARD FA - 6WAYS TPN

Circuit Label	Type	No. of Point	Rate (W)	Load (W)	Diversity x Load	Phase			Current (A)	Cable Size (mm ²)	Protection (A)
						R	Y	B			
FA ₁	Lighting	12	100	1200	792	792			1.91	1.5	5
FA ₂	Lighting	12	100	1200	792	792			1.91	1.5	5
FA ₃	Lighting	12	100	1200	792			792	1.91	1.5	5
FA ₄	13ASSO	12	3000	3000	3000			3000	7.23	2.5	30
FA ₅	13ASSO	12	3000	3000	3000	3000			7.23	2.5	30
FA ₆	Fan	10	2500	2500	2500		2500		6.02	2.5	30
FA ₇	AC	1	2000	2000	2000			2000	4.82	4.0	30
FA ₈	AC	1	2000	2000	2000		2000		4.82	4.0	30
FA ₉	AC	1	2000	2000	2000		2000		4.82	4.0	30
FA ₁₀	AC	1	2000	2000	2000			2000	4.82	4.0	30
FA ₁₁	AC	1	2000	2000	2000			2000	4.82	4.0	30
FA ₁₂	AC	1	2000	2000	2000		2000		4.82	4.0	30
FA ₁₃	AC	1	2000	2000	2000	2000			4.82	4.0	30
FA ₁₄	AC	1	2000	2000	2000	2000			4.82	4.0	30
FA ₁₅	AC	1	2000	2000	2000	2000			4.82	4.0	30
FA ₁₆	AC	1	2000	2000	2000		2000		4.82	4.0	30
FA ₁₇	Spare	-	-	-	-				3.61	-	-
FA ₁₈	Spare	-	-	-	-				3.61	-	-
Total						10584	10500	9792	81.63		

DISTRIBUTION BOARD FB - 4WAYS TPN

Circuit Label	Type	No. of Point	Rate (W)	Load (W)	Diversity x Load	Phase			Current (A)	Cable Size (mm ²)	Protection (A)
						R	Y	B			
FB ₁	Lighting	12	100	1200	792		792		1.91	1.5	5
FB ₂	Lighting	12	100	1200	792			792	1.91	1.5	5
FB ₃	Lighting	11	100	1100	726			726	1.75	1.5	5
FB ₄	13ASSO	12	3000	3000	3000	3000			7.23	2.5	30
FB ₅	13ASSO	12	3000	3000	3000		3000		7.23	2.5	30
FB ₆	13ASSO	9	250	2250	2250		2250		5.42	2.5	25
FB ₇	13ASSO	6	1500	1500	1500	1500			3.61	2.5	25
FB ₈	Fan	11	250	2750	2750			2750	6.63	2.5	30
FB ₉	AC	1	2000	2000	2000			2000	4.82	4.0	30
FB ₁₀	AC	1	2000	2000	2000	2000			4.82	4.0	30
FB ₁₁	Spare	-	-	-	-				3.61	-	-
FB ₁₂	Spare	-	-	-	-				3.61	-	-
Total						6500	6042	6268	52.55		

DISTRIBUTION BOARD FC - 4WAYS TPN

Circuit Label	Type	No. of Point	Rate (W)	Load (W)	Diversity x Load	Phase			Current (A)	Cable Size (mm ²)	Protection (A)
						R	Y	B			
FC ₁	AC	1	2000	2000	2000		2000		4.82	4.0	30
FC ₂	AC	1	2000	2000	2000		2000		4.82	4.0	30
FC ₃	AC	1	2000	2000	2000	2000			4.82	4.0	30
FC ₄	AC	1	2000	2000	2000	2000			4.82	4.0	30
FC ₅	AC	1	2000	2000	2000			2000	4.82	4.0	30
FC ₆	AC	1	2000	2000	2000			2000	4.82	4.0	30
FC ₇	AC	1	2000	2000	2000	2000			4.82	4.0	30
FC ₈	AC	1	2000	2000	2000		2000		4.82	4.0	30
FC ₉	AC	1	2000	2000	2000			2000	4.82	4.0	30
FC ₁₀	Spare	-	-	-	-				3.61	-	-
FC ₁₁	Spare	-	-	-	-				3.61	-	-
FC ₁₂	Spare	-	-	-	-				3.61	-	-
Total						6000	6000	6000	54.21		

FIRST FLOOR

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLOGY, ABU, ZARIA.

CONSULTANT

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

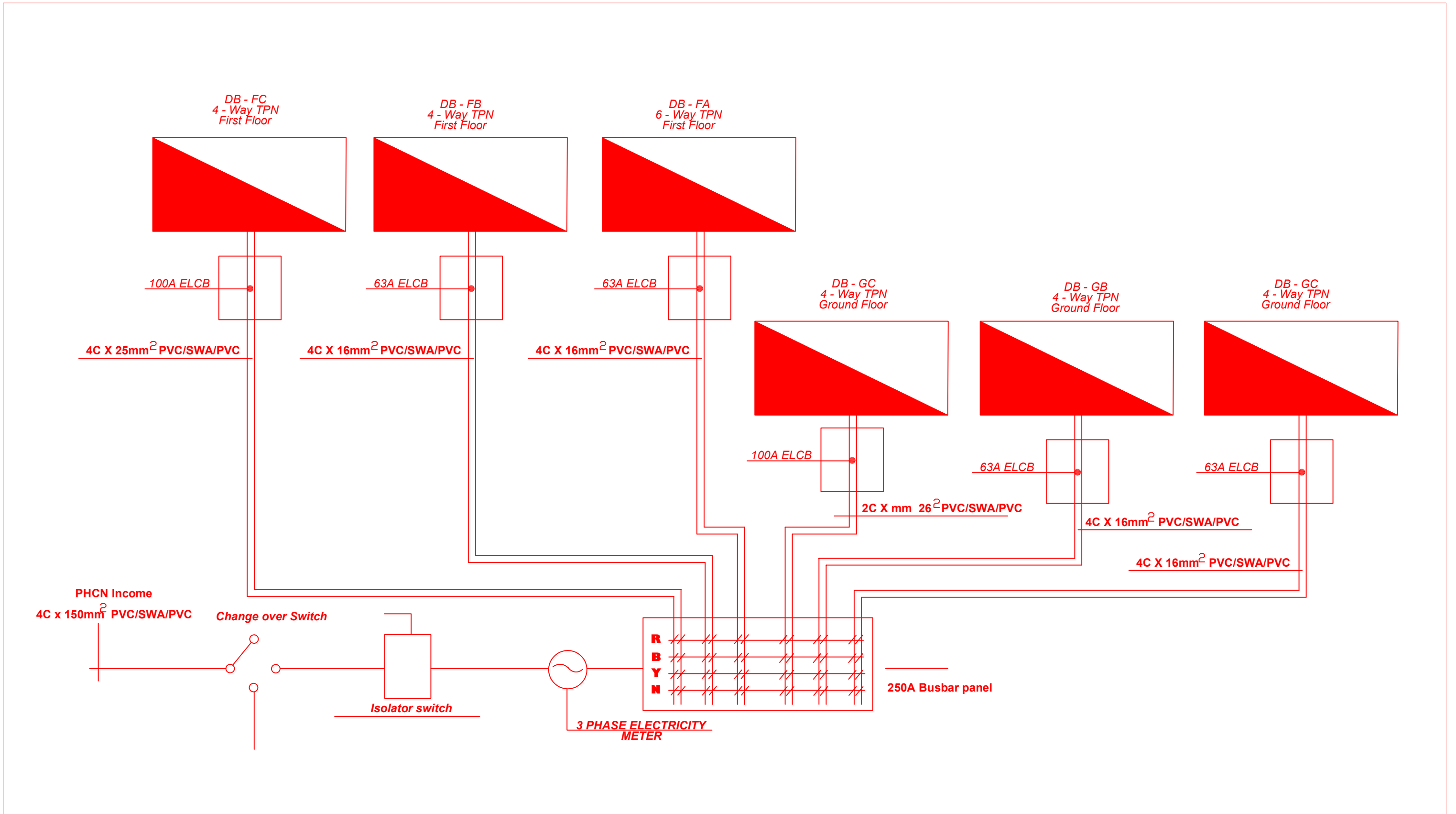
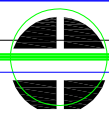
SEPTEMBER, 2022

NOTES

SHEET NO.

EWD

07



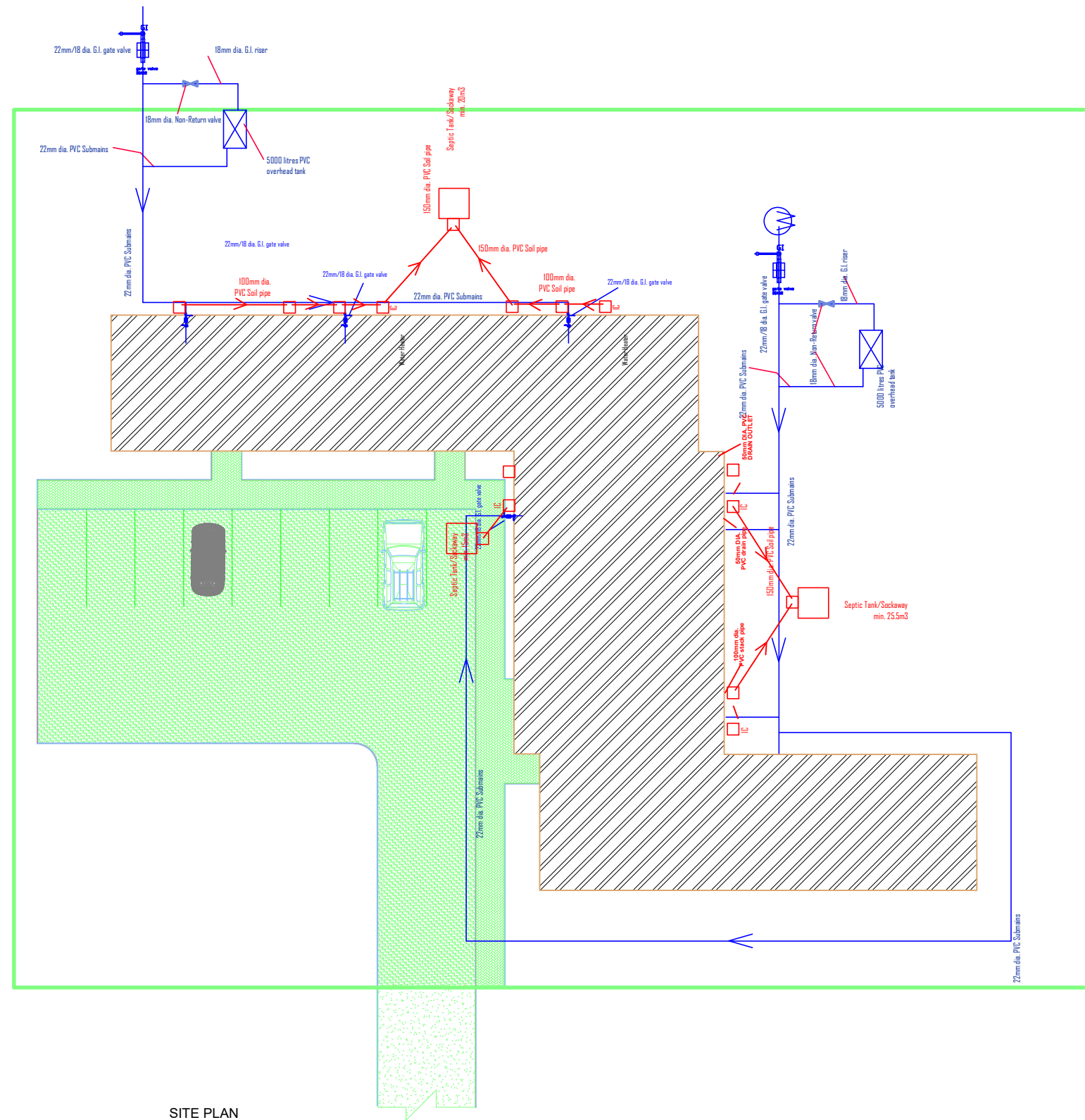
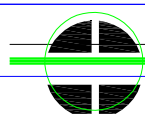
CLIENT	AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLGY, ABU, ZARIA.
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CONSULTANT	STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE
SCALE	NTS
DATE	SEPTEMBER, 2022

NOTES	
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SHEET NO.	EWD 08
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M E C H A N I C A L D R A W I N G S



SITE PLAN

CLIENT

**AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLOGY, ABU, ZARIA.**

CONSULTANT

**STADMANH INTEGRATED
CONSULTANCY SERVICES LIMITED**

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

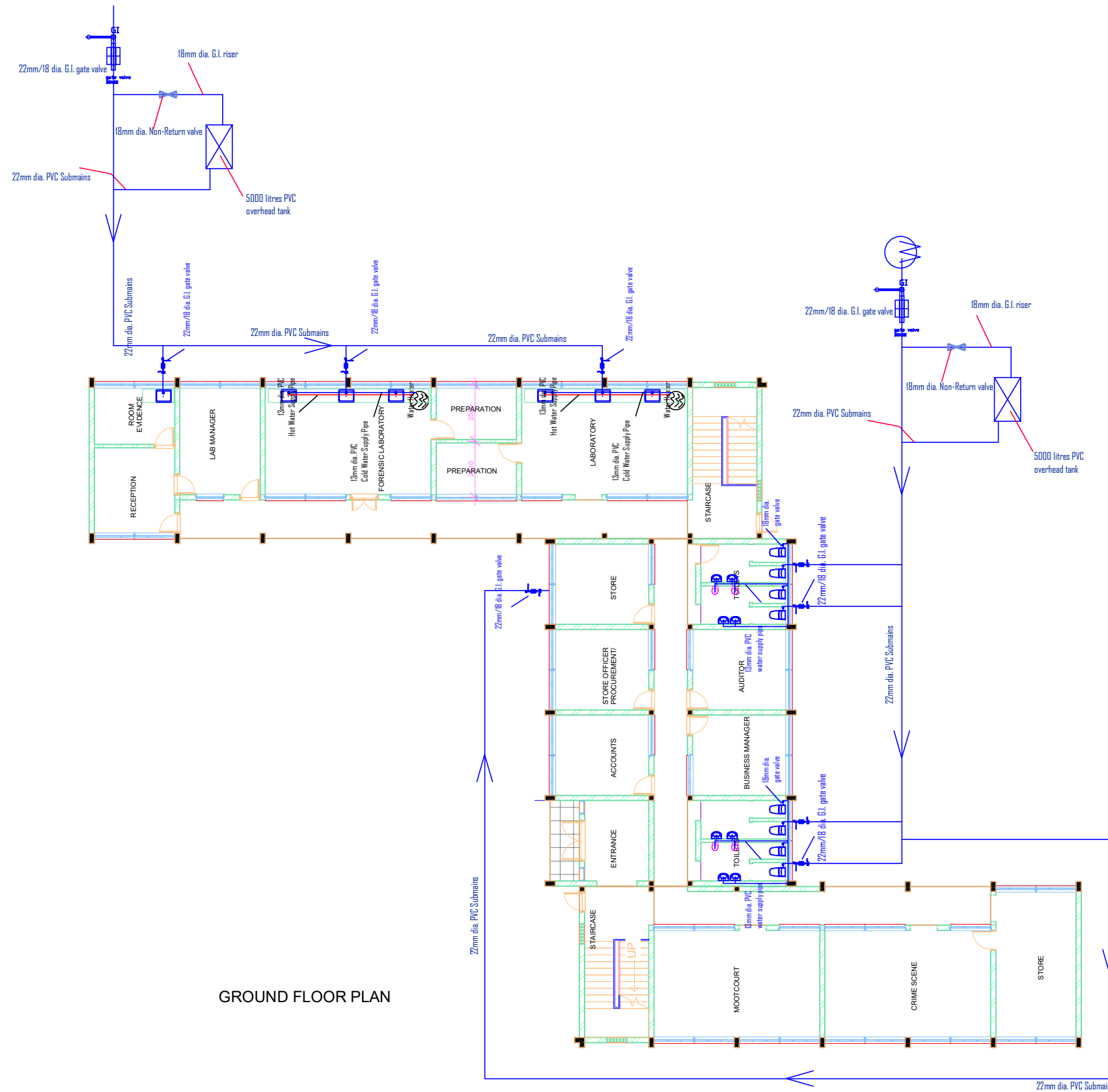
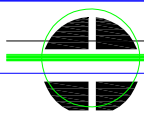
SEPTEMBER, 2022

NOTES

SHEET NO.

MWD

01



GROUND FLOOR PLAN

CONSULTANT:

**STADMANH INTEGRATED
CONSULTANCY SERVICES LIMITED**

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

SEPTEMBER, 2022

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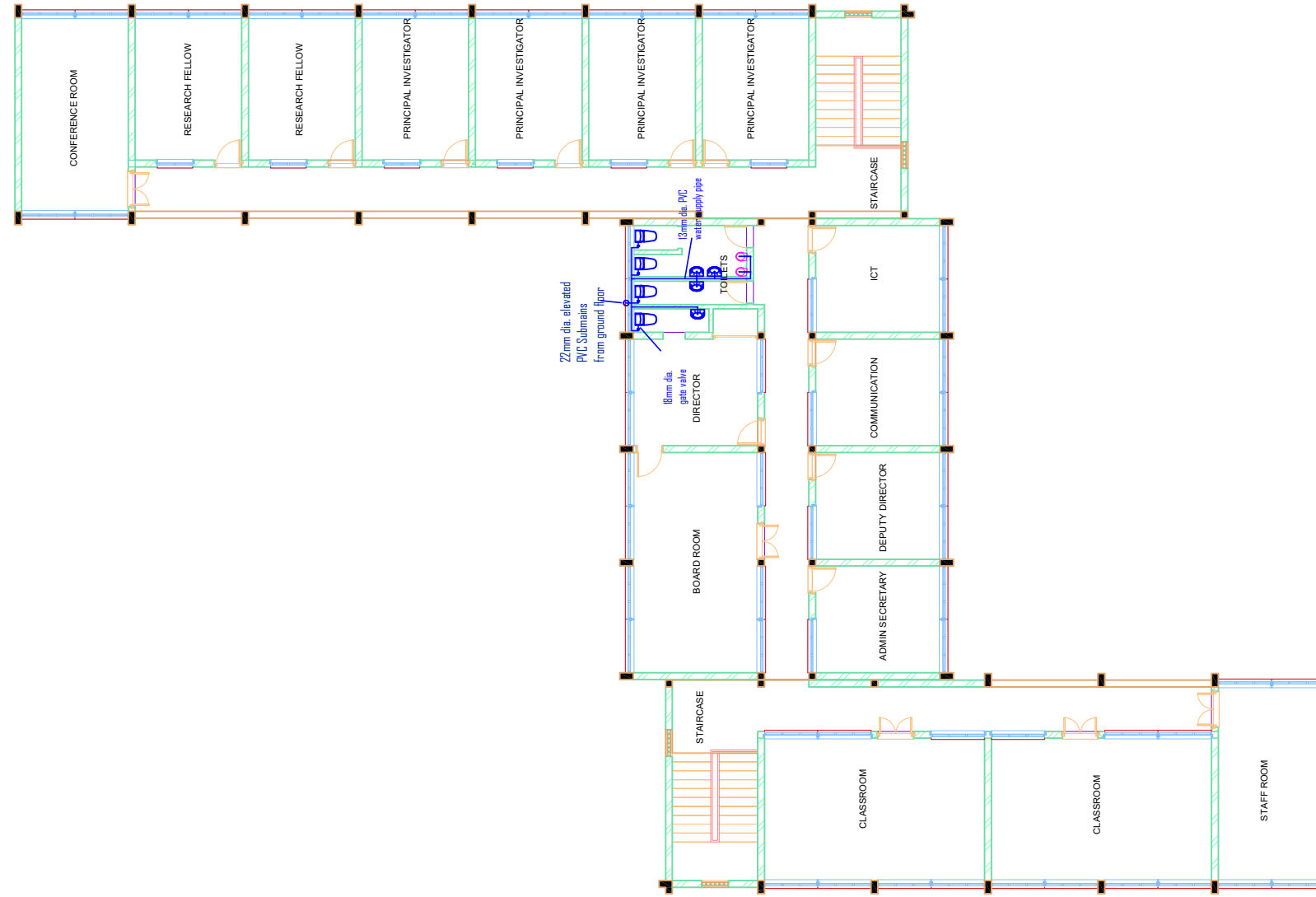
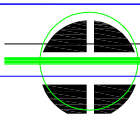
**AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLGY, ABU, ZARIA.**

NOTES

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MWD

02



FIRST FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLOGY, ABU, ZARIA.

CONSULTANT:

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

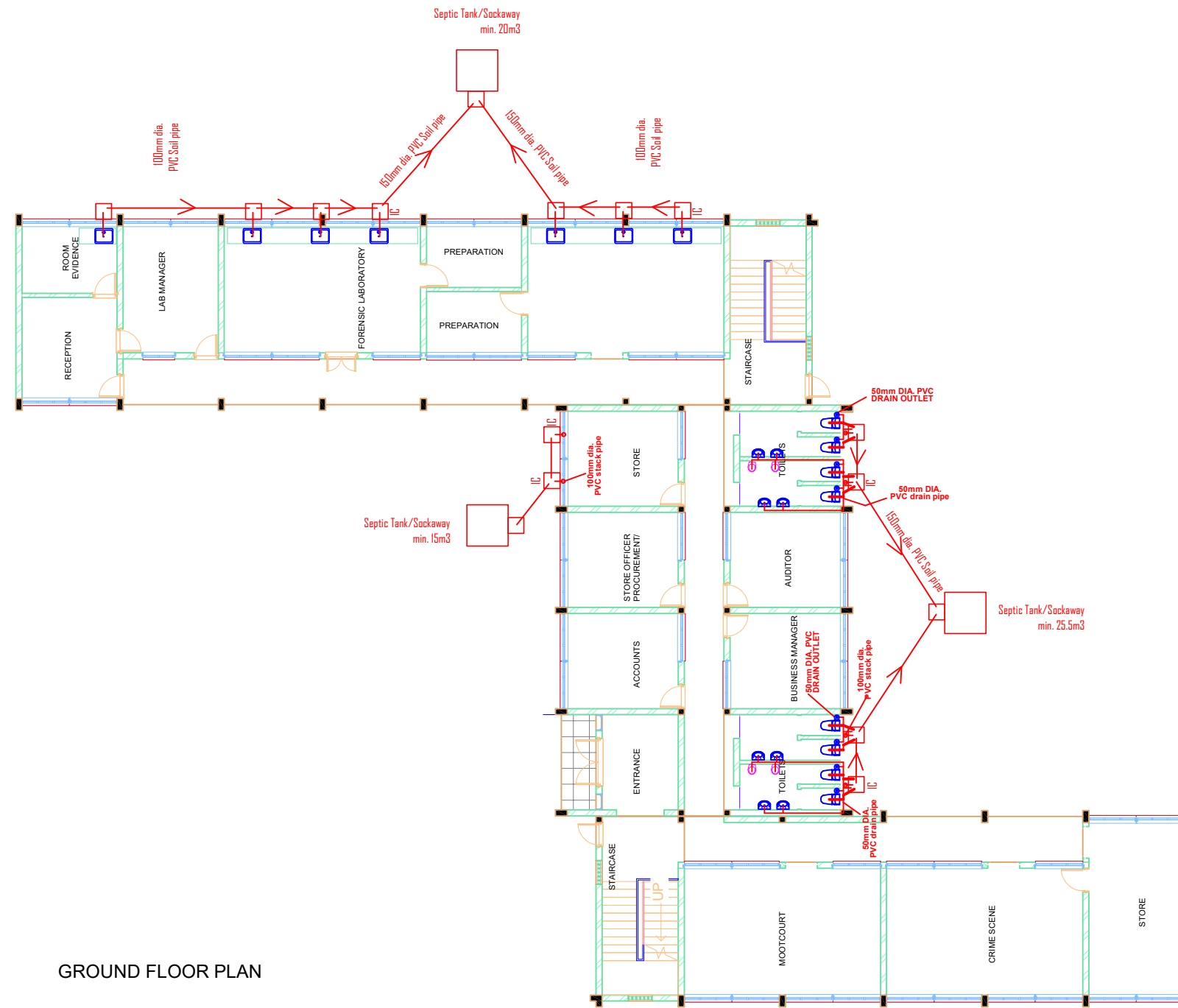
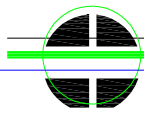
SEPTEMBER, 2022

NOTES

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MWD

03



GROUND FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLOGY, ABU, ZARIA.

CONSULTANT

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

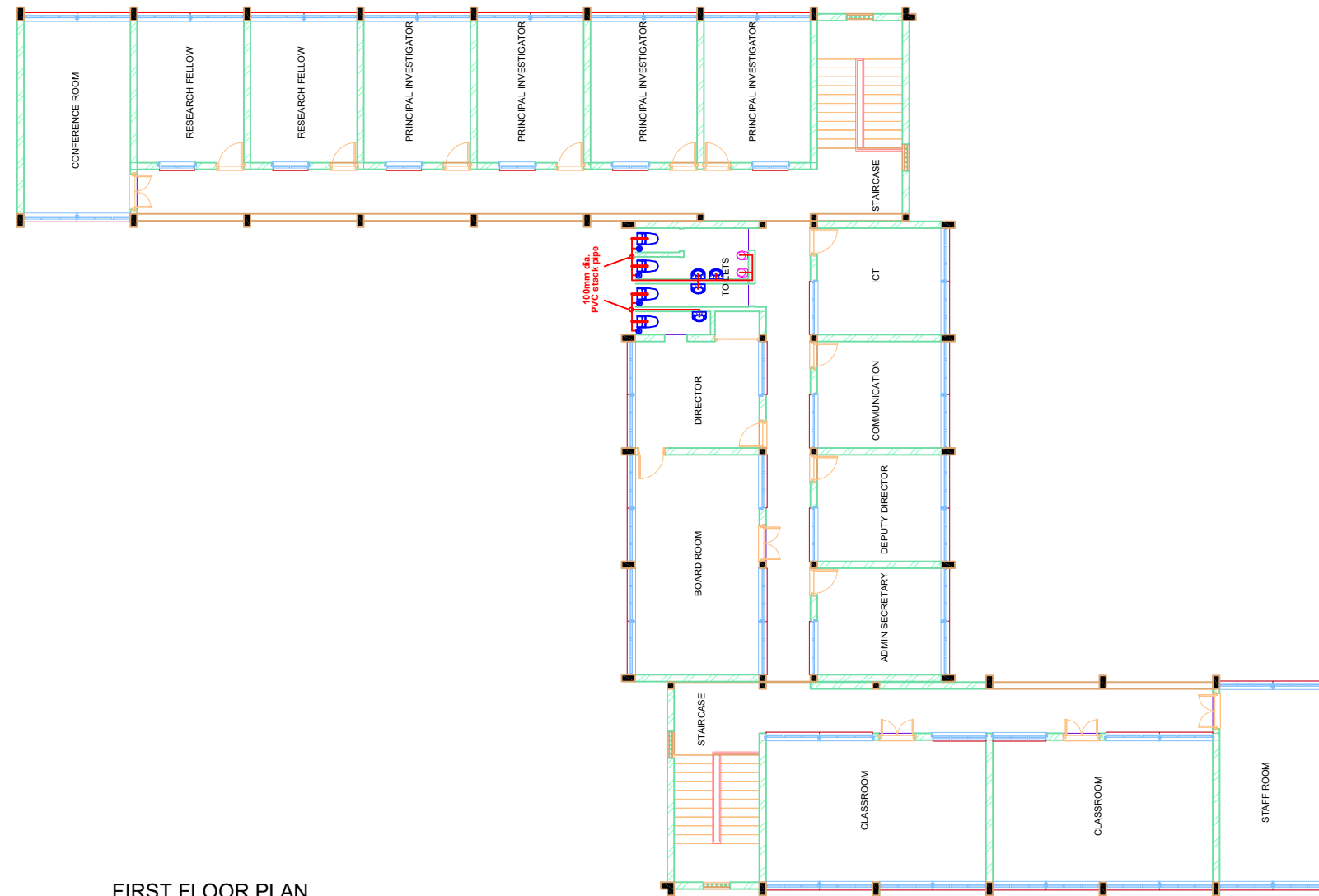
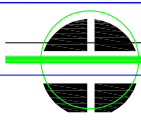
SEPTEMBER, 2022

NOTES

SHEET NO.

MWD

04



FIRST FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLGY, ABU, ZARIA.

CONSULTANT

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

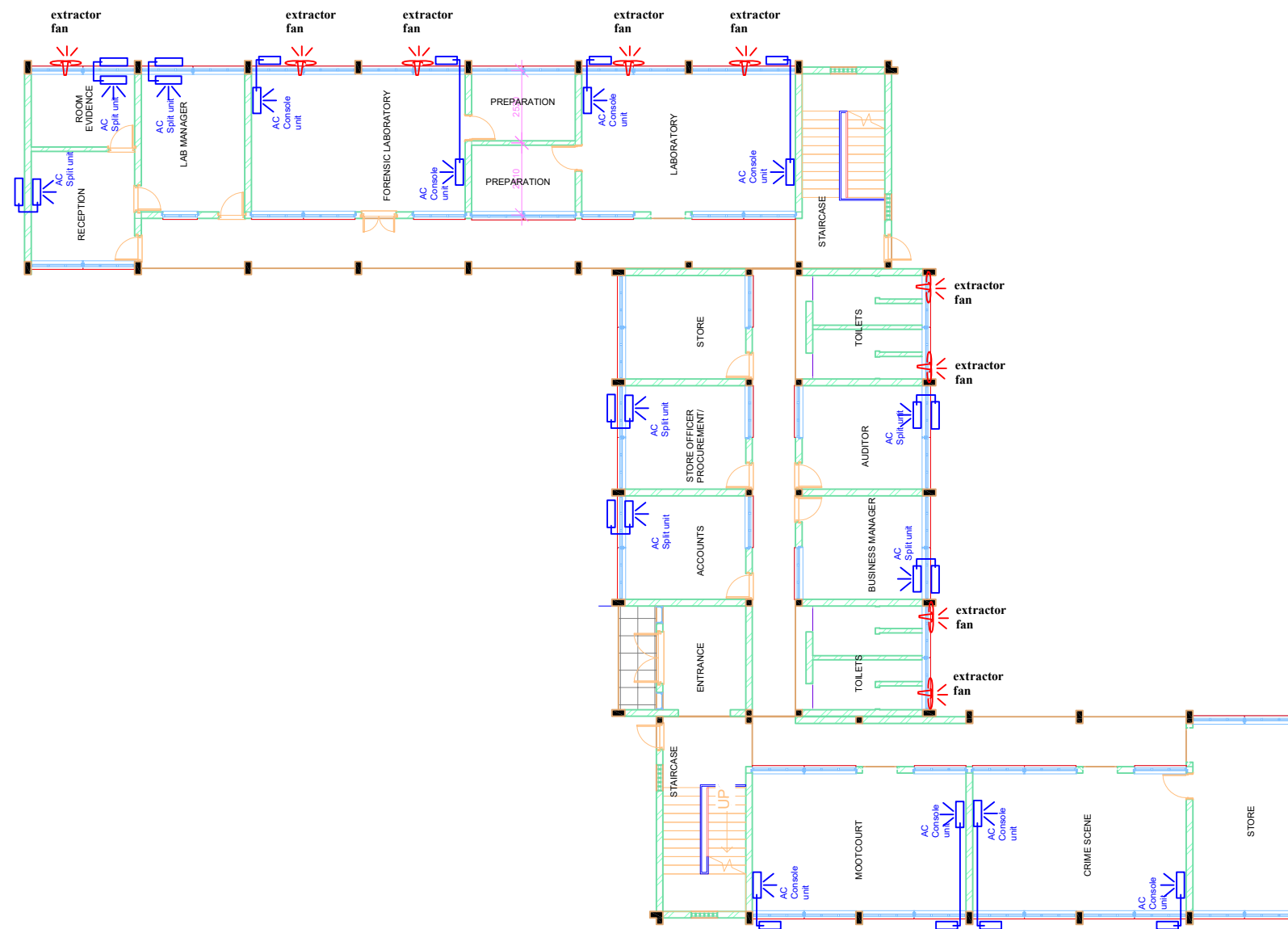
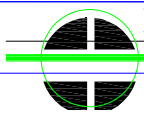
SEPTEMBER, 2022

NOTES

SHEET NO.

MWD

05



GROUND FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLGY, ABU, ZARIA.

CONSULTANT **STADMANH INTEGRATED
CONSULTANCY SERVICES LIMITED**

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

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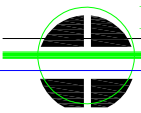
SEPTEMBER, 2022

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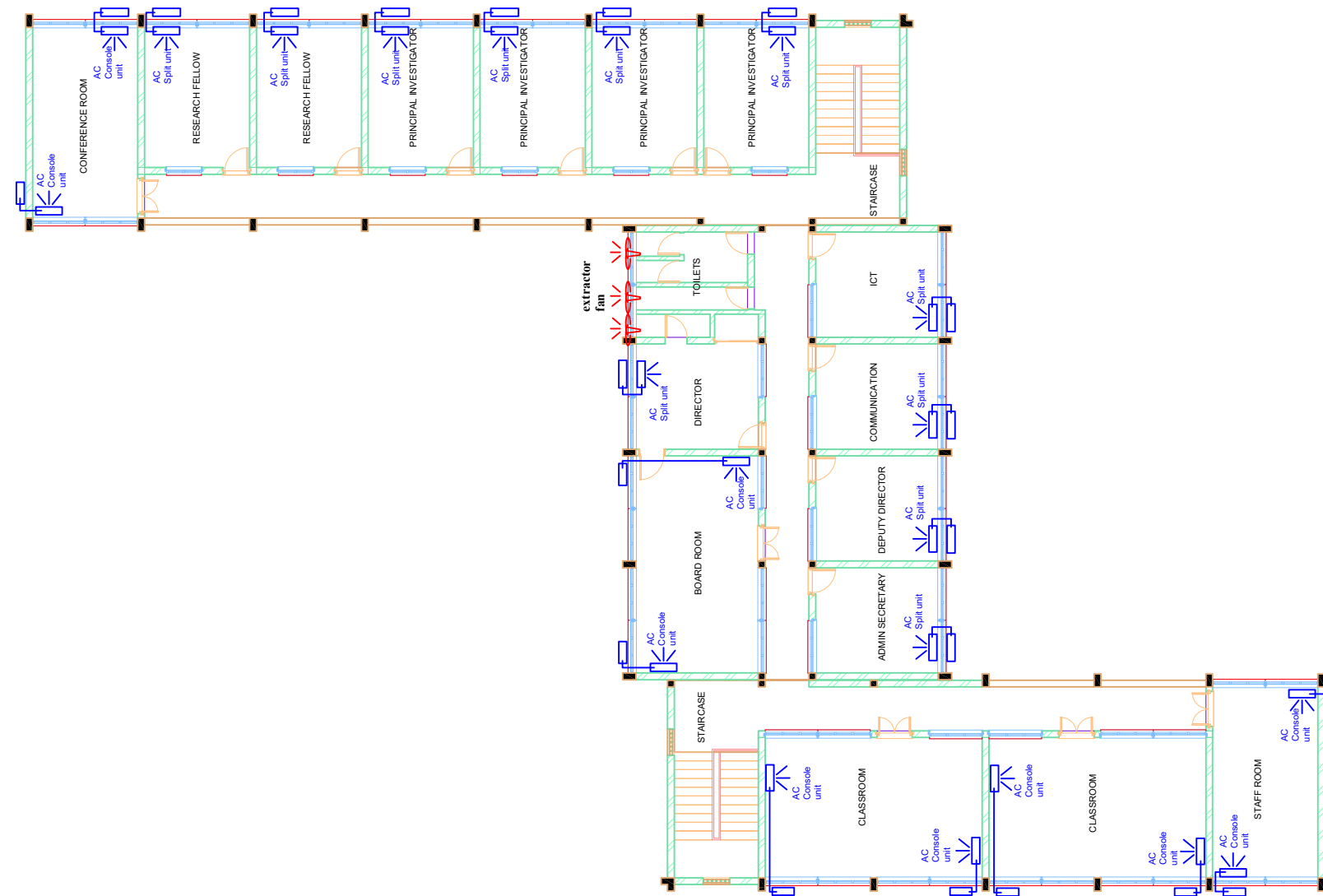
SHEET NO.

MWD

06



VENTILATION & AIRCONDITIONING INSTALLATION LAYOUT



FIRST FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLGY, ABU, ZARIA.

CONSULTANT:

STADMANH INTEGRATED CONSULTANCY SERVICES LIMITED

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

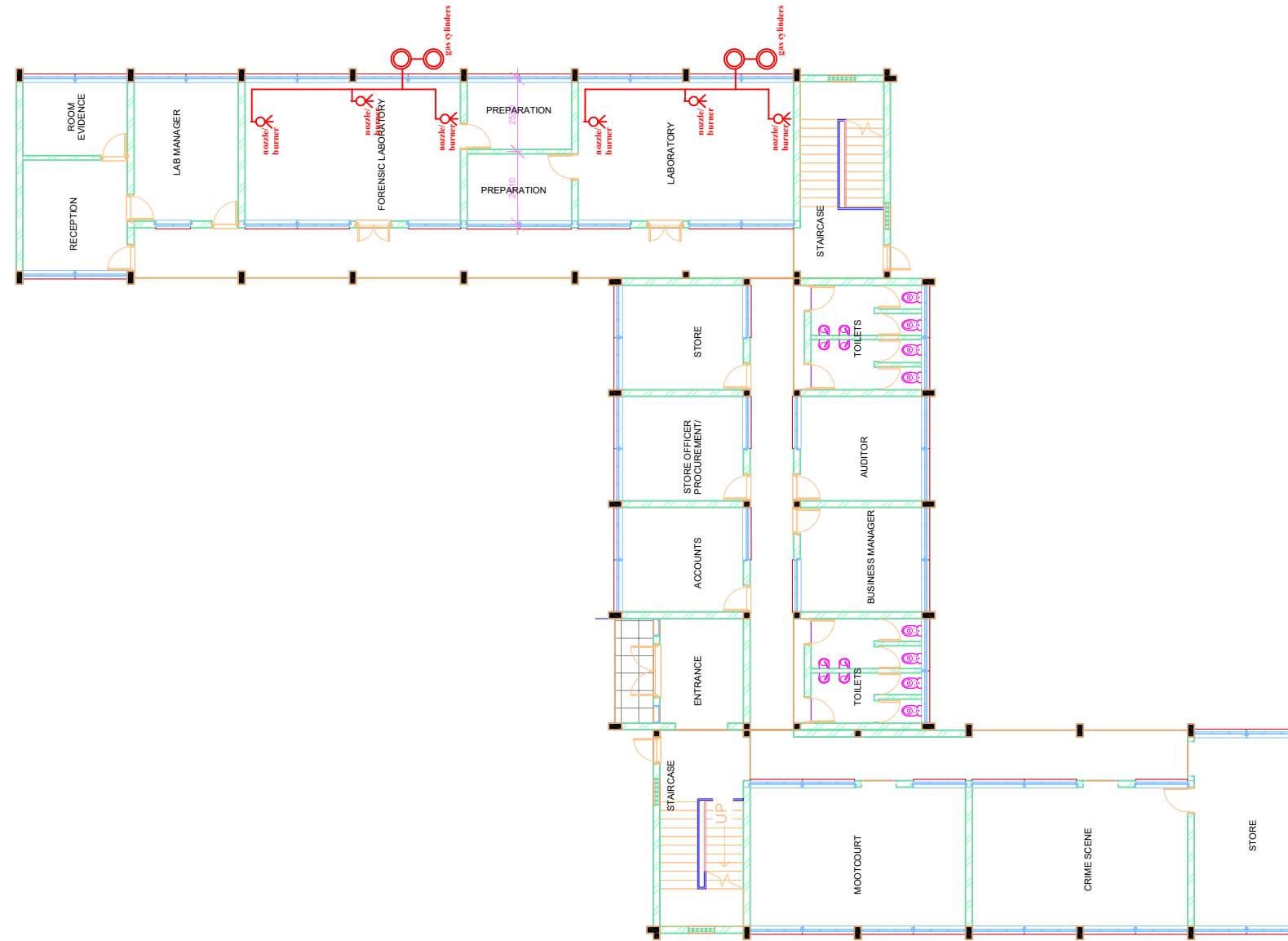
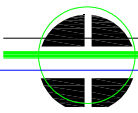
SEPTEMBER, 2022

NOTES

SHEET NO.

MWD

07



GROUND FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED
TROPICAL DISEASES AND FORENSIC
BIOTECHNOLGY, ABU, ZARIA.

CONSULTANT

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CONSULTANCY SERVICES LIMITED**

NO. 15 ROFASY ROAD, ZANGO, ZARIA, KADUNA STATE

SCALE NTS

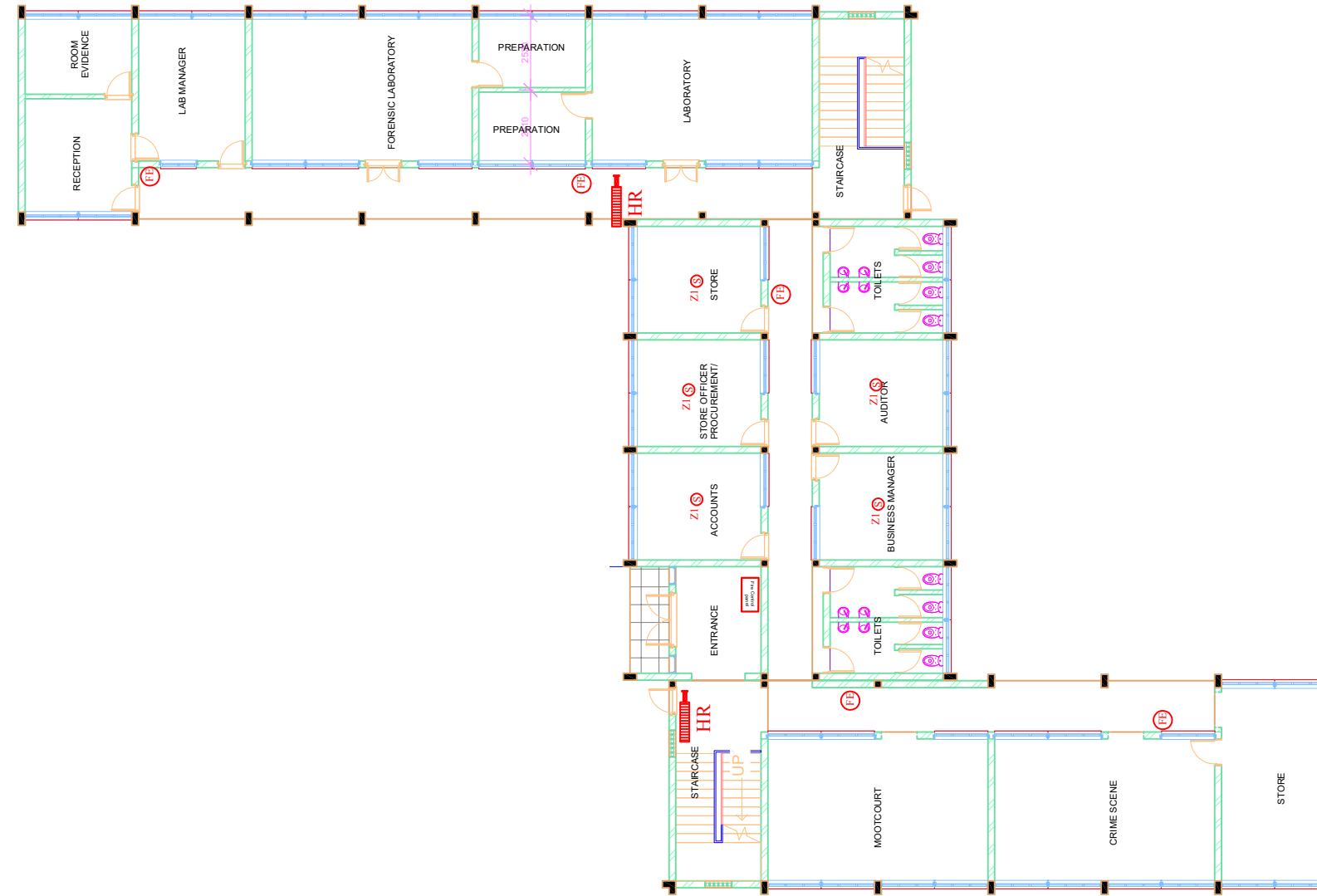
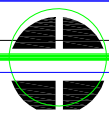
SEPTEMBER, 2022

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GROUND FLOOR PLAN

CLIENT

AFRICA CENTRE OF EXCELLENCE FOR NEGLECTED TROPICAL DISEASES AND FORENSIC BIOTECHNOLOGY, ABU, ZARIA.

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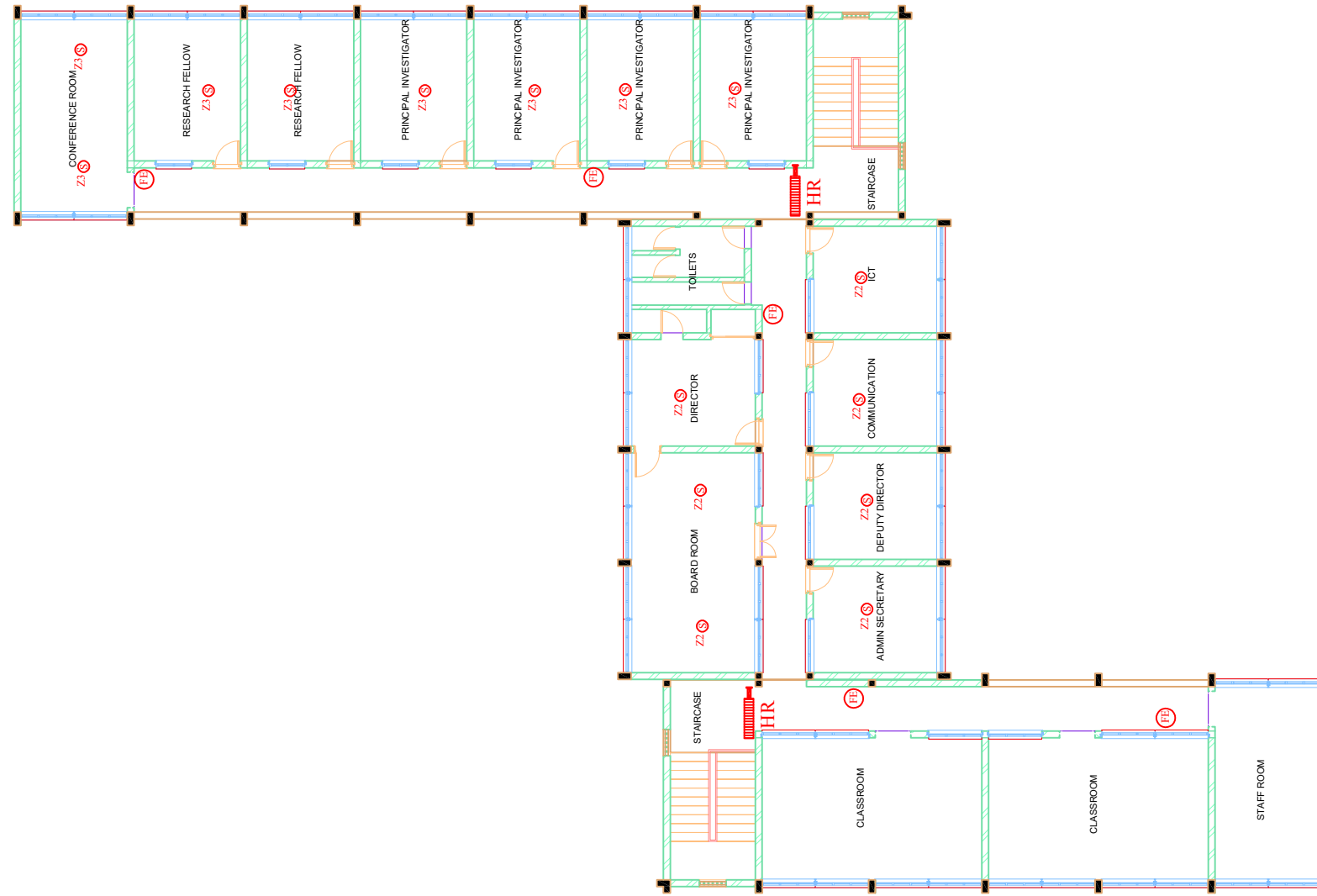
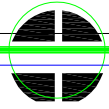
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FIRST FLOOR PLAN

CLIENT

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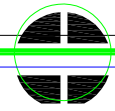
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L E G E N D							
MECHANICAL							
SYMBOL	DESCRIPTION/SPECIFICATION	CAT. No.	QTY.	SYMBOL	DESCRIPTION/SPECIFICATION	CAT. No.	QTY.
	Laboratory Sink Viterous China of appropriate quaity				Extractor fan of high quality		
	Wash hand basin viterous china of appropriate quality				Dual gas valve for laboratory burner		
	GI gate valve of appropriate quality				Suspender water heater of apprpriate quality		
	PVC Drain outlet				Air conditioning		
	Water closet viterous china of appropriate quality						
	Smoke Detector of appropriate quality						
	Hose rail						
	Fire extinguisher						
	Fire alarm of appropriate quality						
	Break glass of appropriate quality						

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